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4

## A QUARTERLY TABLE

OF THE

## Mortality

IN A

## HUNDRED AND FIFTEEN OF THE DISTRICTS

OF

## ENGLAND

(INCLUDING THE PRINCIPAL TOWNS,) 1845.

SHEWING

THE NUMBER OF DEATHS REGISTERED IN THE FOUR QUARTERS OF 1844;

THE NUMBER OF DEATHS IN THE MARCH QUARTER 1845;

AND THE AVERAGE NUMBER OF DEATHS IN THE FIVE MARCH QUARTERS 1840—4.

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## STATE OF THE PUBLIC HEALTH IN THE LAST QUARTER.

"The Quarterly Returns are obtained from 115 Districts, sub-divided into 576 Sub-Districts. Thirty-four Districts are placed under the Metropolis, and the remaining 81 Districts comprise, with some agricultural Districts, the principal towns and cities of England. The population was 6,578,912 in 1841."

The season to which the Return refers was remarkable for its severity; the temperature fell lower than had ever before been observed and recorded in the neighbourhood of the Metropolis. The mortality was proportionably high; 49,874 deaths were registered; 43,958 had been registered in the last quarter of 1844; and 38,784 in the September quarter of that year. The increase of deaths was therefore upwards of 11,000.

In the unhealthy countries of the world the mortality is highest in the hottest months, and this was the case formerly in London; but the greatest number of deaths now invariably happens in the coldest quarter of the year. Thus the average number of deaths in the March quarters (45,484) of 1840-4 is 4,220 above the general quarterly average (41,264) of the same five years 1840-4; but the deaths in the first quarter of the present year were 49,874, or 4390 above the average of the March quarter of the previous five years. It is true that the population increased in the interval; but the increase of population would not account for more than half the excess of deaths.

The mortality was below the average in the milder climate of the south-western parts of the island, and in the coal districts of the north; it was highest on the eastern coast, in the metropolis, and North Wales.

In the city of Norwich 708 persons perished in the three months out of a population of about 62,000. The excessive mortality is accounted for in the notes; 57 deaths from Small Pox were registered in East Wymer, 36 in Conisford, 40 in Mancroft. The Registrar of Coslany states that the average "is exceeded by about 100 deaths, principally from Small Pox. No deaths have occurred from Small Pox after vaccination." (See the Registrars' notes under Norwich). Few of the victims of Small Pox had been vaccinated; vaccination had not even been attempted in a great majority of cases; and thus, in one city, between 200 and 300 persons were suffered to perish in three months—others were blinded, maimed, and deformed for life—through negligence of the parents in the application of the protection discovered by Jenner, and placed at the disposal of all by the legislature. Other examples of the consequences of neglecting vaccination will be found in the notes. Ashton-under-Lyne is the only parish in which it is mentioned that the "Churchwardens and Overseers have refused to carry out the Provisions of the Act of 3 & 4 Victoria,"—to extend the practice of vaccination, by contracting with Medical Officers for the gratuitous protection of the poor. Sixty-one funerals took place in Ashton town from Small Pox. In Jenner's life an instance is mentioned of the cost of coffins, convincing the overseers of a certain parish of the advantages of vaccination, after all the higher arguments of humanity and justice had failed.

The high mortality was no doubt due in great part to the extreme coldness of the season; but, as is judiciously remarked by one of the Registrars of Stockport, "great as it is, there can be no question that the mortality would have been greater, in so severe a winter, had not the improved condition of the industrious classes enabled them to be both better clothed and fed."

In the Metropolis Small Pox, Scarletina, and Measles, were epidemic; the deaths from Diarrhoea and Erysipelas were above, those from Typhus below, the average. 411 deaths from Hooping Cough were registered, which is 113 less than the average. The deaths from all pulmonary diseases rose; and 632 persons died of Bronchitis, 606 of Asthma, 1,296 of Pneumonia. There was a marked excess of deaths from Scrofula, Tabes Mesenterica, Cancer, Atrophy, Malformation, Apoplexy, Delirium Tremens, and Intemperance. 12 persons, labouring under Diabetes, died (the average is 6); and it is worthy of remark that cold weather is always very fatal to this class of patients.

*Districts in which the mortality was ABOVE the average of five March quarters:*—The five Metropolitan Districts, Portsea Island, Northampton, Norwich, Kidderminster, Dudley, Wolverhampton, Birmingham, Aston, Coventry, Nottingham, Stockport, West Derby, Blackburn, Chorlton, Manchester, Ashton, Bradford, Merthyr Tydfil, Holywell, and Anglesey.

*Districts in which the mortality was BELOW the average of five March quarters:*—Cambridge, Liverpool, Wigan, Prescott, Salford, Hull, and Pontypool.

The mean temperature of the 13 weeks at Greenwich was  $35^{\circ} 4$ . The temperature of the corresponding week, on an average of 25 years, was  $38^{\circ} 9$ , according to Mr. Henry's observations. The temperature of the first 4 weeks of January was from  $1^{\circ}$  to  $6^{\circ}$  above the average; from the close of January to the end of March the mean temperature was  $8^{\circ}$  below the average; and in one week (March 9th to 15th) it was  $29^{\circ} 1$ , or  $13^{\circ}$  below the average. On Wednesday morning, February 12th, a thermometer on grass fell to  $6^{\circ}$  below Zero; the thermometer on flax, cleared of snow, was  $12^{\circ} 5$  below Zero, probably a point lower than has ever been recorded in this climate before. At the same time a thermometer on long grass under snow was  $26^{\circ}$ ; showing, in a striking manner, the protection snow affords vegetation against sudden extremes of temperature. The temperature of the air fell in the night to  $8^{\circ} 8$ .

The meteorological returns from other parts of the kingdom, though not all made on a uniform plan, are highly interesting; and exhibit differences in the results which could scarcely have been anticipated in the absence of direct evidence.

# TABLE

OF THE

## MORTALITY

In 115 of the Districts of England (including the principal Towns): shewing the Number of Deaths Registered in the 4 quarters of 1844, and in the quarter ending March 31st, 1845. Also the average Number of Deaths in the 5 quarters, ending March 31st, 1840—1844.

Parts of Divisions and Districts	Popula-tion 1841	Deaths Registered in the 4 Quarters of 1844, ending				1840—44		Deaths in the Winter Quarter, ending March 31st, Of Five Years	Parts of Divisions and Districts	Popula-tion 1841	Deaths Registered in the 4 Quarters of 1844, ending				1840—44					
						Quarterly Average									Quarterly Average					
		March 31st	June 30th	Sept. 30th	Dec. 31st	Of Five Years	Of Five Quarters				March 31st	June 30th	Sept. 30th	Dec. 31st	Of Five Years	Of Five Quarters				
Total .....	6578912	46041	38925	38784	43958	41264	45484	49874	Shrewsbury .....	21529	163	140	169	166	142	160	164			
Metropolis, exclusive of Metropolis ..	4663808	32570	27434	26959	30862	29316	32580	35346	Worcester .....	27130	214	129	167	150	160	170	173			
Aggregate Deaths in the Subjoined Districts of the 11 Divisions of England																				
Metropolis .....	1915104	13471	11471	11825	13656	11948	12904	14528	Kidderminster .....	29408	242	169	167	190	162	196	233			
South Eastern .....	218184	1391	1190	1124	1329	1179	1253	1360	Dudley .....	86028	549	468	466	697	528	577	776			
South Midland .....	156225	1133	958	840	911	879	991	1072	Walsall .....	34274	197	174	168	179	205	237	260			
Eastern .....	128921	932	735	680	886	758	817	1114	Wolverhampton .....	80722	542	457	526	491	524	591	648			
South Western .....	327669	2109	1725	2063	1933	1851	2005	2005	Wolstanton .....	32669	248	202	169	208	211	244	276			
Western .....	77521	5458	4598	4669	5117	4821	5352	6144	Birmingham .....	138187	1118	869	932	963	912	1007	1275			
North Midland .....	234771	1638	1419	1309	1482	1473	1667	1719	Aston .....	50928	349	298	317	327	290	304	353			
North Western .....	1530460	11398	9387	9610	11095	10739	12033	12916	Coventry .....	31028	234	199	231	241	208	210	271			
York .....	691131	4492	4045	3751	4321	4181	4590	5021	N. Midland Division											
Northern .....	328903	1967	1717	1616	1661	1911	2067	2007	Leicester .....	50932	415	344	339	387	364	431	446			
Welsh .....	273127	2052	1680	1297	1517	1522	1805	1988	Lincoln .....	36110	242	180	143	160	192	214	196			
Districts																				
Metropolis .....	301326	1975	1802	1822	1987	1758	1890	2240	Nottingham .....	53080	887	327	394	381	367	393	479			
North Districts .....	366303	2480	2191	2293	2853	2188	2384	2781	Basford .....	59634	328	359	233	344	322	367	348			
Central Districts .....	374759	2547	2044	2190	2491	2307	2542	2767	Derby .....	35015	266	209	200	210	228	262	250			
South Districts .....	393347	2975	2433	2547	2999	2596	2774	2976	N. Western Division											
North Districts .....	479469	3494	3001	2973	3826	3099	3314	3764	Stockport .....	85672	483	418	462	474	537	623	723			
S. Eastern Division									Macclesfield .....	56018	398	338	283	344	374	466	483			
Midland .....	32310	218	202	160	204	186	207	235	Gt. Broughton, inc. Chester .....	49085	345	237	208	263	298	351	365			
W. Midland .....	47742	829	219	233	303	270	278	262	Liverpool .....	223054	1996	1547	1945	2131	1926	2016	1816			
Isle of Wight .....	42547	207	191	187	235	194	197	228	West Derby, (adj. Liverpool) .....	88652	576	526	602	814	582	572	673			
Orkney Island .....	53036	344	363	345	341	312	328	388	Blackburn .....	75091	513	461	474	578	478	572	654			
Cheshire .....	23044	170	117	100	153	121	138	149	Preston .....	77189	506	464	450	429	525	594	643			
Warrington .....	20502	123	98	99	98	96	104	98	Rochdale .....	60577	480	406	316	329	391	465	503			
Midland Division									Bury .....	77496	614	495	880	445	499	630	558			
Albany .....	17051	109	73	100	94	82	92	122	Bolton .....	97519	678	616	534	621	656	761	822			
Yeovil .....	34150	238	229	180	198	192	215	229	Wigan .....	66032	641	486	353	370	449	549	452			
Oxford .....	19701	108	77	90	103	100	110	110	Prescott .....	43799	259	183	174	237	250	308	262			
Northampton .....	28103	211	224	162	181	172	190	249	Chorlton .....	93736	622	540	653	709	616	621	868			
Leicester .....	31767	237	200	175	203	182	212	208	Manchester .....	19248	1541	1260	1441	1653	1531	1648	1934			
Nottingham .....	24453	200	155	133	132	151	172	154	Salford .....	70228	502	417	447	623	495	533	497			
Eastern Division									Ashton .....	173964	1244	993	918	1173	1133	1323	1663			
Sheffield .....	88076	579	464	494	600	556	637	651	York Division											
Huddersfield .....	107140	607	572	447	537	549	622	701	Hull .....	41130	327	241	247	314	297	305	261			
Hallifax .....	109175	670	606	458	596	581	670	738	Leeds .....	168667	1088	936	997	1105	1096	1161	1228			
Bradford .....	132164	949	959	861	883	824	897	1120	Holywell .....	43676	184	166	146	164	166	190	221			
Leeds .....	168667	1088	936	997	1105	1096	1161	1228	Cockermouth .....	35676	226	267	247	336	278	297	322			
Northern Division									Kendal .....	34694	222	188	154	160	176	196	218			
Sunderland .....	56226	306	307	267	270	339	354	335	Welsh Division											
Gateshead .....	38747	216	216	228	214	239	241	252	Abergavenny .....	50834	476	332	244	273	319	388	410			
Tynemouth .....	55625	332	268	242	274	313	334	300	Pontypool .....	25037	142	99	97	124	137	160	139			
Newcastle-on-Tyne .....	71850	436	373	414	375	465	499	466	Merthyr Tydfil .....	52864	569	560	397	460	363	419	508			
Carlisle .....	36084	271	199	165	204	213	252	215	Newtown .....	25958	145	117	101	96	126	147	152			
Western Division									Wrexham .....	39542	266	221	159	181	221	267	238			
Cardiff .....	48082	270	243	419	310	262	262	272	Holywell .....	40787	253	209	177	228	204	254	312			
Swansea .....	50100	288	221	475	366	271	269	234	Anglesey .....	38165	201	142	122	165	152	171	229			
Monmouth .....	69232	507	433	361	420	432	481	520												
ristol .....	64298	464	424	435	524	479	525	563												
pton .....	66233	425	427	350	385	386	422	448												
ond .....	38920	241	244	184	190	193	232	235												
eltenham .....	40221	228	191	191	219	224	251	267												
reford .....	33646	244	207	197	187	198	224	202												

\* The last quarter in the Metropolis ended March 29, 1845.

+ Wandsworth District is included in the return for the Metropolis.

**A TABLE OF THE MORTALITY**  
 IN THE  
**Metropolis,**  
 SHEWING THE NUMBER OF DEATHS FROM ALL CAUSES,  
*Registered in the 13 Weeks ending March 29th, 1845.*

CAUSES OF DEATH	Quarterly Average of Deaths in the 5 March Quarters, 1839-43	Deaths in the Quarter ending March 29th 1845	CAUSES OF DEATH	Quarterly Average of Deaths in the 5 March Quarters, 1839-43	Deaths in the Winter Quarter ending March 29th 1845
<b>ALL CAUSES .....</b>	12600	14528	<b>IV.—Laryngitis .....</b>	7	23
<b>SPECIFIED CAUSES .....</b>	12550	14491	<b>Quinsey .....</b>	18	25
I.—Zymotic (or Epidemic, Endemic, and Contagious) Diseases	2119	2506	<b>Bronchitis .....</b>	232	632
SPORADIC DISEASES:—			<b>Pleurisy .....</b>	23	28
II.—Dropsy, Cancer, and other Diseases of uncertain or variable Seat	1491	1450	<b>Pneumonia .....</b>	1125	1296
III.—Diseases of the Brain, Spinal Marrow, Nerves and Senses	2034	2193	<b>Hydrothorax .....</b>	86	92
IV.—Diseases of the Lungs and of the other Organs of Respiration	4101	4923	<b>Asthma .....</b>	555	606
V.—Diseases of the Heart and Blood Vessels	286	512	<b>Phthisis or Consumption .....</b>	1822	1972
VI.—Diseases of the Stomach, Liver, and other Organs of Digestion	768	981	<b>Disease of Lungs, &amp;c. ....</b>	233	249
VII.—Diseases of the Kidneys, &c....	67	115	<b>V.—Pericarditis .....</b>	11	23
VIII.—Childbirth, Diseases of the Uterus, &c. ....	141	174	<b>Aneurism .....</b>	8	21
IX.—Rheumatism, Diseases of the Bones, Joints, &c. ....	81	98	<b>Disease of Heart, &amp;c. ....</b>	266	458
X.—Diseases of the Skin, Cellular Tissue, &c. ....	18	12	<b>VI.—Teething .....</b>	214	227
XI.—Old Age.....	1110	1127	<b>Gastritis .....</b>	190	14
XII.—Violence, Privation, and Intemperance .....	333	400	<b>Enteritis .....</b>		177
I.—Small Pox .....	263	481	<b>Peritonitis .....</b>	14	44
Measles .....	239	381	<b>Tabes Mesenterica .....</b>	59	116
Scarlatina .....	309	421	<b>Worms .....</b>	5	8
Hooping Cough .....	524	411	<b>Ascites .....</b>	7	24
Croup .....	105	112	<b>Ulceration (of Intestines, &amp;c.) .....</b>	18	25
Thrush.....	45	50	<b>Hernia .....</b>	27	31
Diarrhoea .....	64	109	<b>Colic or Ileus .....</b>	24	38
Dysentery .....	20	14	<b>Intussusception.....</b>	6	4
Cholera .....	2	4	<b>Stricture .....</b>	8	6
Influenza.....	49	34	<b>Hæmatemesis .....</b>	4	14
ague .....	5	5	<b>Disease of Stomach, &amp;c. ....</b>	49	68
Remittent Fever .....	6	5	<b>Disease of Pancreas .....</b>	2	..
Typhus .....	406	362	<b>Hepatitis .....</b>	14	22
Erysipelas .....	72	95	<b>Jaundice .....</b>	26	32
Syphilis .....	8	21	<b>Disease of Liver, &amp;c. ....</b>	102	131
Hydrophobia .....	.2	1	<b>Disease of Spleen .....</b>	1	..
II.—Haemorrhage .....	38	29	<b>VII.—Nephritis .....</b>	6	6
Dropsy .....	483	413	<b>Ischuria .....</b>	2	..
Abscess .....	51	10	<b>Diabetes .....</b>	6	12
Noma .....	3	3	<b>Cystitis .....</b>	4	3
Mortification .....	65	53	<b>Stone .....</b>	5	6
Purpura .....	2	2	<b>Stricture .....</b>	5	13
Scrofula .....	26	40	<b>Disease of Kidneys, &amp;c. ....</b>	39	75
Cancer.....	94	194	<b>VIII.—Childbirth .....</b>	104	133
Tumour .....	22	5	<b>Paramenia .....</b>	3	5
Gout .....	19	4	<b>Ovarian Dropsy .....</b>	5	6
Atrophy .....	78	189	<b>Disease of Uterus, &amp;c. ....</b>	29	30
Debility .....	279	270	<b>IX.—Arthritis .....</b>	.6	4
Malformations .....	11	31	<b>Rheumatism .....</b>	36	35
Sudden Deaths .....	228	207	<b>Disease of Joints, &amp;c. ....</b>	45	59
III.—Cephalitis .....	140	149	<b>X.—Carbuncle .....</b>	.4	..
Hydrocephalus .....	444	460	<b>Phlegmon .....</b>	1	2
Apoplexy .....	256	343	<b>Ulcer .....</b>	8	4
Paralysis .....	228	298	<b>Fistula .....</b>	5	1
Convulsions .....	739	696	<b>Disease of Skin, &amp;c. ....</b>	4	5
Tetanus .....	8	3	<b>XI.—Old Age .....</b>	1110	1127
Chorea .....	1	2	<b>XII.—Intemperance .....</b>	6	15
Epilepsy .....	62	62	<b>Privation .....</b>	10	8
Insanity .....	15	15	<b>Violent Deaths .....</b>	317	377
Delirium Tremens.....	18	24	<b>Causes not specified .....</b>	50	37
Disease of Brain, &c. ....	124	141			

# QUARTERLY METEOROLOGICAL TABLE,

*Compiled from the Weekly Tables furnished to the Registrar General by the Astronomer Royal.*

*Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhaea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, and the total deaths + (excess violent and sudden) in each of the 13 weeks ending March 29, 1845.*

1845	Week ending	Phase <sup>s</sup> of the Moon	THERMOMETERS				WIND				PRESSURE				DEATHS																								
			Mean	Dew Point	Self Registering Point	Highest in the sun	M E A N.	Pressure in lbs. on the square foot	Mean for the week	Greatest pressure in lbs.	Miles	Deaths at Three Ages, exclusive of violent and sudden Deaths	Deaths at Three Ages, exclusive of violent and sudden Deaths	Deaths at Three Ages, exclusive of violent and sudden Deaths	Deaths at Three Ages, exclusive of violent and sudden Deaths																								
January 5th	3d qr. Jan. 1st	inches	0	0	0	0	0	0	0	—	—	39	30	39	6	3	137	310	589	404	327	1320																	
" 11th	New, 6th	"	29.59	43.0	40.4	34.5	5.9	37.6	33.1	49.4	44.6	17.2	28.5	37.2	61	57	37	3	137	310	589	404	327	1320															
" 18th	1st qr. 15th	"	29.523	50.5	31.3	44.3	37.3	7.0	40.3	38.7	58.7	48.4	24.2	31.0	39.9	38.3	1.6	3.4	0.2	+4.9	24	27	8	4	137	269	404	327	1320										
" 25th	Full, 23rd	"	29.704	46.4	34.0	43.6	37.7	5.9	40.6	38.8	54.7	47.2	21.5	31.0	41.4	41.1	2.0	3.6	0.5	+5.6	3.0	3.0	1.1	0.1	955	9.5	43	54	320	229	999								
February 1st	Last qr. 31st	"	29.650	48.3	30.5	44.0	34.5	9.5	39.5	36.7	58.6	50.5	17.8	27.9	39.3	38.4	2.0	5.9	0.2	+2.0	S.W. and S.S.W.	12.0	9.0	1.9	1.7	3	145	180	413	343	230	976							
" 8th	New, Feb. 6th	"	29.699	43.5	25.0	28.2	28.5	9.7	33.4	29.6	55.6	45.4	9.7	17.0	25.1	34.8	3.8	7.5	1.1	+5.1	N. & N. W.	4.5	0.4	960	4.7	0.08	33	27	34	8	1	134	182	321	221	963			
" 15th	1st qr. 14th	"	29.650	40.4	8.8	33.7	21.0	9.7	29.3	25.1	50.0	42.7	6.0	18.0	32.7	32.3	4.0	8.6	0.8	-9.6	Variable	4.0	0.2	1093	6.4	0.27	33	19	38	29	3	133	215	440	392	320	1089		
" 22nd	Full, 29th	"	29.629	33.4	30.8	33.0	27.0	6.6	31.1	26.5	62.5	54.2	7.7	16.3	33.8	33.5	4.0	9.1	1.0	-7.9	Calm and Variable	1.5	0.0	1093	6.8	0.03	30	19	30	8	3	135	232	420	377	299	1097		
March 1st	3rd qr. Mar. 1st	"	29.774	47.2	39.7	42.6	33.1	9.5	37.5	33.0	61.5	52.0	23.5	26.3	37.0	36.2	4.5	8.7	1.2	-2.6	Variable	4.0	0.5	915	6.9	0.45	24	23	45	18	10	1	138	246	433	404	260	1097	
" 8th	New, 8th	"	29.926	40.5	18.8	34.1	24.2	9.9	29.3	25.4	60.8	50.6	3.9	18.1	36.1	35.6	3.0	7.6	1.2	-11.9	N.E.	7.0	0.3	630	7.3	0.48	25	17	24	42	35	11	3	135	240	416	405	256	1079
" 15th	Apogee, 15th	"	29.718	48.0	14.0	34.2	23.6	10.6	29.4	23.8	59.8	50.2	0.2	16.3	34.6	34.5	5.3	11.3	1.3	-13.2	N.N.E.	5.0	1.0	1060	6.1	0.03	32	23	30	24	3	1	136	222	417	590	226	1034	
" 22nd	1st qr. 16th	"	29.827	47.7	21.0	40.3	27.4	12.9	33.5	29.1	65.0	52.6	6.7	20.3	33.9	32.9	4.4	10.4	0.5	-9.1	Variable	6.0	0.5	993	6.5	0.28	26	25	27	31	12	3	132	242	455	376	290	1132	
" 29th	Full, 23rd	"	29.803	39.0	37.8	53.6	41.3	12.3	47.0	40.6	68.8	64.7	21.2	34.1	41.6	6.2	12.4	1.5	+4.7	W.S.W.	11.0	1.7	1680	7.4	0.60	32	30	57	31	14	3	134	232	490	407	247	1115		
Mean, Highest, or Lowest, of the 13 weeks,			Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhaea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, and the total deaths + (excess violent and sudden) in each of the 13 weeks ending March 29, 1845.				Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhaea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, and the total deaths + (excess violent and sudden) in each of the 13 weeks ending March 29, 1845.				Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhaea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, and the total deaths + (excess violent and sudden) in each of the 13 weeks ending March 29, 1845.				Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhaea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, and the total deaths + (excess violent and sudden) in each of the 13 weeks ending March 29, 1845.				Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhaea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, and the total deaths + (excess violent and sudden) in each of the 13 weeks ending March 29, 1845.																				

\* The Areas of 7 were not specified in the Table.  
† Inquests are held on Violent and Sudden deaths which are returned irregularly.

<sup>o</sup> The Thermometer on the grass was 6.0, and 0.2 below Zero on the 7th and 11th Week.

# METEOROLOGICAL OBSERVATIONS FOR THE MARCH QUARTER, 1845.

Year 1845.	Mean height of Barometer cor- rected and re- duced to 32° <i>Lsq.</i>	THERMOMETERS						WIND			Rain in Inches	
		Self Registering			Wet Bulb		Average Cloudiness	Wet Days				
		Mean of 3 Daily Observations	Highest	Lowest	Difference	Mean of daily Observations						
BRIGHTON <i>J. O. N. Butter, Esq.</i>	* 29.849 29.956 30.001	† 38.21 32.44 34.32	† 41.84 36.32 39.58	† 35.61 28.03 29.26	6.23 8.29 10.32	38.42 32.33 34.36	37.4 31.16 32.13	" " " "	NE. N. NW. N. NE. N. NE. SW.	" 7 6.8	{ Rain 14 Snow 4 Rain 5 Rain 7	
CARLISLE, HARRABY <i>Jos. Atkinson, Esq.</i>	† 29.633 29.856 29.940	" " " "	51.0 51.0 54.0	3.0 11.4 14.0	48.0 39.6 40.0	36.0 32.6 34.7	" " " "	E. 13 days W. 18 " " " E. 14 " " " W. 14 " " " E. 14 " " " W. 17 " " "	12 days 14 " 7 "	1.9 1.2 2.1	1.414 0.981 1.882	
DERBY <i>Mr. J. Davis</i>	29.70 29.85 29.89	" " " "	51.0 47.0 56.0	12.0 11.0 10.0	39.0 36.0 46.0	" " " "	2.1 2.4 2.8	" " " "	N. & S. & SWW. NW. NE. & SW. W. NE. E. N. NE.	" " " "	19 9 16	1.56 1.03 2.14
FALMOUTH <i>Lovel Squire, Esq.</i>	§ 29.77 29.92 29.96	§ 43.2 41.0 39.7	51 50 55	30 19 20	21 40.5 35	43.2 31.4 39.3	§ 36.0 31.4 29.8	2.0 1.9 2.2	SW. S. & W. E. SE. & NW. NE.	6.6 7.0 6.2	19 13 10	5.785 3.422 .660
HELSTON <i>M. P. Moyle, Esq.</i>	29.672 29.755 29.875	45.1 41.3 41.4	54. <sup>o</sup> 55. <sup>o</sup> 58. <sup>o</sup>	33. <sup>o</sup> 30. <sup>o</sup> 18. <sup>o</sup>	21. <sup>o</sup> 25. <sup>o</sup> 40. <sup>o</sup>	44.6 42.6 40.5	43.2 38.7 38.1	1.61 1.18 1.50	N. & SW. N. & E. E.	† 15.21 5.15 4.19	19 12 9	5.72 3.22 1.16
LIVERPOOL <i>Mr. A. Abraham</i>	29.70 29.87 29.93	30.9 29.91 31.30	51 44 60	21 22 19	"" "" ""	44.6 42.6 40.5	43.2 38.7 38.1	1.61 1.18 1.50	SE. S. E.	6 5 2	9 4 4	1.26 0.35 .26
NEWCASTLE <i>Secretary of the Literary Institution</i>	29.078 29.799	38.59 34.55	51 47	14 19.5	37 27.5	" "	39.2 35.2 37.28	35.6 30.2 32.7	No. Anemometer Wind generally moderate	6 5 2	9 4 4	.25
TRURO <i>Dr. C. Barham</i>	29.971	38.25	57	16	41	"	" " "	" " "	Varying N.E. to N.W. A cloudy month 5 days on which S.W. towards end with about 6 rain fell of month very variable. N.E. up the whole 5 snowy, rainy at beginning N.W. cloudy, snow, and clear N.W. end of month Cloudy, stormy month Cloudy, stormy month towards end Previous portion of month N.W. to mid- month wind mod. up towards end	6 5 2	9 4 4	1.25
YORK <i>John Ford, Esq.</i>	29.838 29.991 30.052	53 48 59	14 18 16	39 30 44	38. <sup>5</sup> <sub>6</sub> 32. <sup>5</sup> <sub>6</sub> 36. <sup>1</sup> <sub>6</sub>	" " "	Southerly Southerly Northerly	" " "	2 1 2	2 1 1.44	.87 1.04 1.44	

\* 2 Observations daily (Sundays excepted).

† Observations made at 9 A.M., and 3 and 9 P.M.

‡ Probably the mean highest and lowest temperature is given for Brighton.

‡ Uncorrected.

## REGISTRARS' NOTES.

The following Instruction was addressed to the 447 Registrars in the Country:—

"If at any time the number of deaths registered during the Quarter has been *above the average*, state, in a note at the foot of the Return, whether any epidemic disease, such as Measles, Typhus, &c., has been prevailing in the District; or if there be any other known circumstance which will account for the increase."

In compliance with the above, 235 Registrars have appended explanatory notes to their Returns; the remaining 212 Registrars apparently observed a decrease, or no obvious increase, in the mortality.

An Abstract of the Notes to the Returns is subjoined.

SUP. REG. DISTRICT.	REG. DISTRICT.	
<i>MAIDSTONE</i> .....	<i>Loose</i> .....	34 deaths, above the average ; 2 have died from <i>Typhus</i> , 2 from <i>Scarlatina</i> , and several from Inflammatory and Dropical affections.
.....	<i>Yalding</i> .....	29 deaths. Rather above the average, but no particular Epidemic prevails.
<i>BRIGHTON</i> .....	<i>The Palace</i> .....	62. Below the average of corresponding quarters of past years. Several have been old inhabitants, whose respective ages were 91, 90, 89, 86, 84, 83, 82, &c.
.....	<i>Kemp Town</i> .....	52 deaths, being 20 less than the corresponding quarter, 1844 ; one-third were persons from 60 to 80 years of age. My district may be considered healthy, there being no prevailing epidemic.
<i>PORTSEA ISLAND</i> ..	<i>Portsea Town</i> .....	Below the average, but of the 91 registered 57 were females, of whom the united ages of 12 amount to 940 years, and of 5 of the males registered, to 405 years, making an average of nearly 80 years for each person.
.....	.. <i>Kingston, &amp;c.</i> .....	An increase of 24 deaths as compared with the corresponding quarter of 1844. The mortality (as reported also in my last) has been greatest amongst the aged, 39 out of the 101 registered are between the ages of 60 and 92 years, which will mainly account for the increase.
.....	.. <i>Landport, &amp;c.</i> .....	124 deaths, being an increase of 16 over the previous quarter ; the prevailing disease has been <i>Inflammation of the Chest</i> among children. I have also registered 13 deaths from old age, all above 70 from general decay.
<i>ST. ALBANS</i> .....	<i>St. Albans</i> .....	77, being an increase of 15 on the corresponding quarter of last year ; no epidemic has prevailed. The deaths are chiefly amongst old people and young children.
.....	<i>Harpden</i> .....	45. An increase of 5 on the last quarter. <i>Small Pox</i> is spreading in my district. I have registered 9 cases during the quarter (6 without previous vaccination).
<i>WYCOMBE</i> .....	<i>High Wycombe</i> .....	49 ; 9 above the average. There is no known circumstance which will account for the increase. <i>Small Pox</i> made its appearance in my district but not fatal.
.....	<i>Great Marlow</i> .....	32. 5 more than the preceding quarter, and 11 less than the corresponding quarter, 1844. No particular diseases prevalent at this time beyond those occasioned by the long and severe winter.
.....	<i>Princes Risborough</i> .....	66 deaths, being more than an average number, owing to Coroner's Inquest entries.
<i>OXFORD</i> .....	<i>Oxford</i> .....	The number of deaths (110) is 2 more than the corresponding quarter of 1844. 9 deaths from <i>Small Pox</i> —6 without previous vaccination.
<i>NORTHAMPTON</i> ...	<i>All Saints</i> .....	106 deaths, being the largest number in any quarter since the registration commenced. Including the present quarter the average of 8 years in the corresponding quarter is 75, consequently the excess is 31. <i>Small Pox</i> prevails here to an extent unprecedented for many years past. I have registered 19 deaths from that cause, viz. 17 all children, without previous vaccination, 1 imperfectly, and 1 male, aged 28 years, who had been vaccinated. I have no doubt that vaccination has been greatly neglected.
.....	<i>St. Giles</i> .....	Deaths, 124, being 26 more than the last quarter. <i>Small Pox</i> and <i>Hooping Cough</i> are still prevailing, 6 having died of the former, and 9 of the latter disease. 8 Coroner's Inquests.
<i>CAMBRIDGE</i> .....	<i>St. Andrew the Less</i> ..	83 deaths, being 20 more than the previous quarter, and 25 less than the corresponding quarter, 1844. 14 females and 6 males were at very advanced ages, and 31 children under 1 year. The increase is amongst aged persons and children. No epidemic prevailing.
.....	<i>St. Andrew the Great</i> ..	32 deaths, being 10 less than the corresponding quarter of last year.
<i>IPSWICH</i> .....	<i>St. Margaret</i> .....	My district is exceedingly healthy. The number this quarter (33) is 18 less than the corresponding quarter of last year.
<i>NORWICH</i> .....	<i>East Wymer</i> .....	The No. of deaths, 131, is still above the average, from the prevalence of <i>Small Pox</i> , from which cause 57 deaths have occurred, 5 only after previous vaccination.
.....	<i>Conisford</i> .....	The number of deaths above the average this quarter is 35. The epidemic that has been prevailing is <i>Small Pox</i> , 36 persons having died of that disease, and only 1 adult out of that number.
.....	<i>Mancroft</i> .....	The number (153) is an increase, there having been 40 deaths from <i>Small Pox</i> , only 1 case had previously been vaccinated.
.....	<i>Coslany</i> .....	168. Epidemics have been prevailing to a considerable extent, and the average is exceeded by about 100 deaths, principally from <i>Small Pox</i> . No deaths have occurred from <i>Small Pox</i> after vaccination.
<i>YARMOUTH</i> .....	<i>Northern</i> .....	The number of deaths (105) is 11 less than in the corresponding quarter of 1844. Of Phthisis there are 11, Bronchitis 7, Typhus 5, Scarlatina 1, Measles 4, and of Small Pox, without previous vaccination, 9. There is one case of <i>Small Pox</i> after vaccination, but no medical man was in attendance. The child was at first supposed to labour under an attack of <i>Measles</i> , and was treated with saffron tea; brandy and water were afterwards administered.

SUP. REG. DISTRICT.	REG. DISTRICT.
DEVIZES .....	Lavington .....
	49, being above the average. <i>Typhus</i> and <i>Hooping Cough</i> have been very prevalent; 5 deaths from the former, and 3 from the latter disease: 4 Coroner's Inquests, and more than the usual mortality among the aged, 18 being above 60 years of age.
	23. Above the average, but no particular disease to account for the increase.
	Rather above the average. <i>Hooping Cough</i> has been prevalent in one part of the district, from the effects of which 3 have died. Total deaths 34.
DORCHESTER .....	Cerne .....
	Below any corresponding quarter of previous years; and of the 30 deaths registered, 9 are of the average age of 78 years, and 4 are Coroner's cases. This district generally is in a healthy state.
EXETER .....	St. David .....
	Below the average. 34 less than in the corresponding quarter of 1844. Of the 72 registered 5 males and 13 females were aged above 70. There are 6 deaths from <i>Small Pox</i> without vaccination.
	St. Sidwell .....
	The mortality of the quarter (136) is exactly the same as in the corresponding quarter of 1843, and 20 less than in 1844. No disease of the <i>Zymotic</i> class has prevailed fatally. 2 deaths from <i>Small Pox</i> , without previous vaccination, have been registered; but though the disease has not spread on the present occasion, my information does not induce a belief that the assiduity of the vaccinating officers is equal to the prejudices of ignorance against this prophylactic.
ST. THOMAS .....	St. Thomas .....
	36 deaths, being 8 less than in the corresponding quarter of last year. The present return include one death from <i>Erysipelas</i> .
	Exmouth .....
	The deaths (39) are 12 above the corresponding quarter of last year; 5 are from <i>Phthisis</i> , but there is no epidemic existing to account for the increase.
	Kenton .....
	About the usual average, but considerable difference as to the deaths of females, which are 17, to 8 males. Of the 25 deaths 4 are Coroner's Inquests.
	Topsham .....
	34 deaths, being an increase which can only be accounted for by the mortality amongst old people, as the district is particularly healthy.
	East Budleigh .....
	A vast deal of sickness prevailing, but very few fatal cases, as the present return (7) proves.
	Heavitree .....
	The weather this quarter being of unusual severity, the number of deaths from Lung Diseases has been greater than at any former period; 1 Spasmodic Disease, 1 Bilious Fever, 3 Natural Decay, 14 Disease of the Lungs, 1 Inquest, 2 Apoplexy, 5 Dropsy; total 27.
	Woodbury .....
	18. The district healthy; only one death more than the corresponding quarter of last year, and the population has increased.
PLYMOUTH .....	Saint Andrew .....
	In the past quarter the mortality (170) has exceeded the average of the preceding winters, a large proportion being aged persons; the excess is chiefly from diseases of the respiratory organs: 24 deaths are ascribed to <i>Bronchitis</i> (of these 16 are from 66 to 89 years of age), and 26 to <i>Consumption</i> . There has been also an unusual number of accidents affecting life; 3 children and 1 old woman died, from their clothes having caught fire; 2 persons from falling over stairs, and 2 from drowning. There has been very little epidemic disease fatal; only 1 case of <i>Measles</i> , and none of <i>Small Pox</i> .
	Charles the Martyr .....
	The number of deaths is 11 more than the corresponding period of 1844, the excess being principally with aged persons, amongst whom <i>Bronchitis</i> has prevailed considerably. Of the 91 registered no less than 33 are above 60 years of age.
REDRUTH .....	Redruth .....
	47, being below the average.
	Camborne .....
	The number (59) is 10 above the average of the same quarter. The severity of the winter, and prevalence of easterly winds, has induced affections of the chest, from which there are 25 deaths, 12 from <i>Phthisis</i> , and 6 from <i>Hooping Cough</i> . Five persons above 80 have died probably from the same cause.
PENZANCE .....	St. Just .....
	The number of deaths (33) is less than in the last quarter, consequently the district is generally healthy: 10 were persons of advanced age; males 78, 71, 85; females 76 to 80, 81, 82, 86, 88 years.
	Marazion .....
	The number of deaths (30) is about the average, all occurring from the usual prevailing causes. No epidemic at the present time.
BATH .....	Lansdown .....
	The number (124) is the greatest mortality ever registered, being 35 per cent. above the average of this quarter of the year. It has not been caused by epidemics, as there are but 3 deaths from <i>Small Pox</i> (without previous vaccination), 3 from <i>Hooping Cough</i> , 2 from <i>Scarlatina</i> , and 2 from <i>Fever</i> . The severe weather has been very destructive to the aged and children; 45 registries were of persons above 60 years, and 41 of children under 5 years. Of the deaths registered, 20 were from <i>Consumption</i> , 12 from <i>Pneumonia</i> , and 11 from <i>Bronchitis</i> . There are also 6 deaths from <i>Apoplexy</i> and <i>Paralysis</i> .
	The Abbey .....
	<i>Small Pox</i> has prevailed, 12 deaths from that disease having been registered "without previous vaccination." Total deaths, 130.
	Twerton .....
	Above the average: of the whole number (40) 11 were Inquests.
BRISTOL .....	Castle Precincts .....
	112 deaths, 50 being from <i>Phthisis</i> , <i>Pneumonia</i> , and other diseases of the respiratory organs. <i>Hooping Cough</i> 3; <i>Small Pox</i> , without previous vaccination, 1; <i>Typhus</i> 4; Accidents 5.
	St. Augustine .....
	113. <i>Measles</i> and <i>Hooping Cough</i> very prevalent, proving fatal in 12 cases of the former, and 8 of the latter. 4 cases of <i>Small Pox</i> , 2 "without previous vaccination." There is a singular disparity in the number of each sex, viz. 40 males to 73 females, or nearly 2 of the latter to 1 of the former, and there is a striking disproportion in the relative number for each of the 3 months, January and March numbering each 45, and February only 23. In one previous instance only has the number of deaths been so high as 45—in March, 1843.
	St. James .....
	The number of deaths (133) is very high for this quarter, being 33 above the average of 1844, and the same number above the corresponding quarter of that year. It is also 48 above the average of 1843. This increased mortality has been principally owing to the extreme severity of the winter, and the prevalence of easterly winds, which produced much acute Disease of the Lungs, as manifested in the young by <i>Pneumonia</i> , <i>Hooping Cough</i> , &c., and in the old by <i>Bronchitis</i> , acute <i>Asthma</i> , &c. There were 44 deaths from acute Disease of the Lungs, 12 from <i>Phthisis</i> , 7 from <i>Small Pox</i> , "without previous vaccination," 4 from <i>Measles</i> .
	St. Mary Redcliff .....
	Above the average, and 13 above the corresponding quarter of last year, that being 98, and this 111. <i>Measles</i> have been prevalent. 23 persons were above 60, and their united ages amounted to 1638, making an average of 71 years each. I have still to complain of the great length of time that the dead are kept previous to burial. In one case during the last quarter, A YOUNG WOMAN, AGED 27, WAS KEPT 11 DAYS IN THE SAME ROOM IN WHICH 4 ADULTS LIVED AND SLEPT during the whole time. It is to be regretted that some power does not exist to compel persons to discontinue a practice so general here, so highly prejudicial to health, and calculated to spread disease.

SUP. REG. DISTRICT	REG. DISTRICT.	
BRISTOL .....	St. Paul .....	The number of deaths (94) has not exceeded the average. Pulmonary complaints have been prevalent, and 7 fatal cases of Hooping Cough have occurred.
CLIFTON .....	Clifton .....	104 deaths, being above the average; Measles and Hooping Cough have been prevalent; 16 deaths from those diseases; 1 from Small Pox (without previous vaccination); 22 at ages varying from 77 to 93 years.
— .....	St. George .....	About the general quarterly average, but 55 per cent. less than that of the corresponding quarter of last year; 4 deaths from Small Pox (3 without, and 1 after, previous vaccination), and 7 from Measles: all the latter at the Union Poorhouse for Children only—to which house this epidemic has been entirely confined: total deaths registered, 40.
STROUD .....	Stroud .....	The district continues healthy: the principal number of deaths is among the infirm and aged; only 1 case of Typhus.
— .....	Bisley .....	Of the 29 deaths, the united ages of 14, from 60 years upwards, amount to 973 years.
— .....	Stonehouse .....	11 of the 25 deaths registered are from 60 to 88 years.
HEREFORD .....	Madley .....	Above the average, although no epidemic at present prevails.
SHREWSBURY .....	St. Mary .....	The number registered (85) is exactly the average; no cases of epidemic or contagion, except 2 of Small Pox, both without previous vaccination, and those occurred in January; this disease seems now entirely to have disappeared in my district. I am sorry to have again to notice the little regard parents pay to having their children vaccinated, although gratuitously offered them.
KIDDERMINSTER .....	Kidderminster .....	166 deaths. The great increase for this quarter is attributable to the unusual number of cases of Phthisis, Small Pox, Fever, Decay of Nature, and from causes not known.
DUDLEY .....	Rowley Regis .....	The number of deaths is 104, being 34 more than the last quarter. It is also the greatest number registered in any quarter since the Registration Act came into operation. The cause is to be attributed chiefly to the Fever still prevailing in this parish.
— .....	Tipton .....	170 deaths. Measles has been very prevalent through this quarter, and 38 cases terminated fatally—14 Typhus, 4 Scarletina, 14 Inflammation on the Lungs and Chest, and 18 from Bowel Complaints.
— .....	Sedgley .....	230 deaths, being an increase over the preceding quarter, which has been occasioned principally by the prevalence of Measles, of which disease have been registered 45 deaths; Diarrhoea and Diarrhoea Convulsions, 22; Consumption, 11; Typhus, 11; and 19 Inquests.
— .....	Dudley .....	The number this quarter (272) is about equal with the last; 45 have died of Fever, 32 Convulsions, 16 Teething, 21 Old Age, and 16 Consumption.
WALSALL .....	The Borough .....	125, being an increase on last quarter of 37. No particular complaint has prevailed; 28 deaths, from 60 years old and upwards, arising chiefly, I conceive, from the severity and sudden changes of the weather.
— .....	Bloxwich .....	The number (34) is above the average. Scarletina has been very prevalent amongst children; 10 have died from that disease, which will account for the increase.
— .....	Darlaston .....	The number (77) is 20 more than the average. Measles, Inflammation, and Debility from the Birth, are the principal causes; 48 are under 5 years of age.
WOLVERHAMPTON .....	Wolverhampton Eastern .....	Of the 190 deaths I have registered from Consumption, 17; Asthma, 17; Inflammation of the Lungs and Chest, 16; Decay, greatly owing, in my opinion, to the long-continued severity of the cold weather, 13. I have had but 3 cases of Measles; and 2 of Small Pox, without previous vaccination; the only cases in which the disease has shewn itself. Both were children of one family, which came from a healthy agricultural locality but 2 months before, to live in a confined court, in a thickly populated part of my district.
— .....	Bilston .....	The increase this quarter is very considerable, the births being only 38 above the number of deaths, (174). The cause is the great prevalence of Measles.
— .....	Kinfare .....	25 deaths, being about 9 more than the average, owing to the prevalence of Scarletina.
WOLSTANTON .....	Tunstall .....	116, an increase. The deaths have been principally amongst children afflicted with Measles, Diseases of the Lungs, and Convulsions. About 65 children have been registered under the age of 4 years. The Measles was very fatal in the month of February.
— .....	Burslem .....	The number of deaths is greater than in any quarter except that ending 31st March, 1842, when the numbers were exactly the same as in this quarter: Males, 65; Females, 66; Total, 131. There have been 20 cases of Measles, and diseases following it; 7 Fever cases, and several cases of accidental Burning; but the greater number of deaths has been caused by Diseases of the Chest and Lungs, as Bronchitis, Pneumonia, Phthisis, and Asthma.
BIRMINGHAM .....	St. George .....	An increase of 24 above the corresponding quarter of last year. Of the 265 deaths 3 were from Typhus, 8 Scarletina, 10 Hooping Cough, 59 Inflammation of Lungs or Chest, 34 Consumption, 17 Small Pox, without previous vaccination, 3 after vaccination, and 17 Inquest cases.
— .....	St. Mary .....	Of the 237 deaths, 16 have died of Small Pox, 14 without being vaccinated, and 2 after vaccination.
— .....	St. Paul .....	The greatest number of deaths (99), since the commencement of the Registration Act. The increase may be principally attributed to Inflammation and Diseases of the Lungs and Chest, apparently caused by the severity of the weather. Inflammation of the Lungs, 7; Ditto of the Chest, 8; Ditto of the Bowels, 4; Bronchitis, 5; Hooping Cough, 6; Asthma, 10; Consumption, 12; Small Pox, without previous vaccination, 6; Ditto, after vaccination, 1; Small Pox appears to be on the increase.
— .....	St. Philip's .....	The deaths this quarter (92) are more than the last by 19, and 21 more than the corresponding quarter of 1844; 16 have died of Phthisis, 7 of Small Pox, 2 after vaccination, and 5 without previous vaccination, being 4 less than the previous quarter.
— .....	St. Peter .....	Total deaths, 105. Small Pox is evidently on the increase. This quarter I have registered 11 cases of death from this cause (10 without previous vaccination); last quarter only 5 were registered from the same cause. The mortality from this frightful disease has been almost exclusively confined to the poorer classes of society.
— .....	St. Martin .....	135 deaths, being 20 per cent. above the average; 10 from Small Pox; 9 without previous vaccination, and 1 vaccinated only three days before Small Pox eruption.
— .....	St. Thomas .....	The number (147) includes 16 deaths from Small Pox, without vaccination.
— .....	Lady Wood .....	The number of Fever cases 7, being 2 more than the preceding quarter; of Small Pox, without previous vaccination, 8, or 6 more than the preceding quarter. The total number (108) is full 50 per cent. above the quarter ending 31st December last, without any unusual causes except the 2 above mentioned, and children (more than 40) under 2 years of age.

SUP. REG. DISTRICT.	REG. DISTRICT.	
BOLTON .....	Western .....	The number of deaths (175) is greater than any yet registered by me, except in the corresponding quarter of 1841, which only exceeded it by 5.
..... Little .....		In consequence of the extreme severity of the weather <i>Influenza</i> has been very prevalent: there have been 11 cases of <i>Consumption</i> arising from <i>Influenza</i> ; the average ages are 31 years. There have also been 3 cases of <i>Small Pox</i> "without previous vaccination," 2 cases "after vaccination," and 1 "second attack after vaccination." I am, however, happy to state that the public here avail themselves of the benefit of vaccination, and it is therefore to be hoped that these cases will be of less frequent occurrence. There have been 3 cases of <i>Scarlatina</i> . No particular epidemic in the district, which is in a very healthy state.
..... Halliwell .....		29. Rather more than one-third above the average; the causes of death are of the usual kind. There has been no epidemic. More than one-sixth have died of <i>Consumption</i> .
..... Horwich .....		The deaths (35) are above the average, and more by 18 than the corresponding quarter of 1844, but the increase can only be accounted for by the severity of the winter.
..... Westhoughton .....		The number of deaths (44) has exceeded any average taken for a great number of years, in consequence of <i>Scarlatina</i> and sudden deaths in aged persons, being upwards of 80 per cent, on a three year's average.
..... Farnworth .....		69 deaths, being above the average, and 14 above the corresponding quarter of 1844. <i>Croup</i> has been fatal in 13 cases. <i>Measles</i> and <i>Scarlatina</i> have been very prevalent, but only proved fatal in 1 case of <i>Scarlatina</i> .
..... Lever .....		The return (42) is more than an average by 10; but there has been no epidemic.
..... Tonge with Haulgh .....		The number (36) is 2 two-thirds below the average of corresponding quarters of three previous years. Although <i>Croup</i> , <i>Convulsions</i> , and <i>Consumption</i> , have predominated, yet I am happy to remark, that not 1 fatal case of <i>Small Pox</i> , <i>Measles</i> , <i>Scarlatina</i> or <i>Typhus</i> has come before me in the quarter now reported.
WIGAN .....	Aspull .....	38. Comparing this with the corresponding quarter of 1844 there is a decrease of 19. At present there is no contagious disease prevailing.
..... Ashton in Makerfield .....		35. Rather above an average. The deaths are principally from <i>Phthisis</i> and old age.
..... Upholland .....		30 per cent. above the general average, and 5 per cent. above that of the corresponding quarter. Of the whole number registered (44) the deaths of children under 5 years old are 40 per cent.; of persons above 60 years old 18 per cent.; and cases of <i>Consumption</i> 18 per cent. No epidemic has prevailed.
PRESCOT .....	St. Helens .....	115. 15 below the average of the corresponding quarters of the last four years.
..... Prescot .....		The number of deaths (83) is about 18 above the general average; the mortality amongst children has been very great, although there has been no epidemic disease. I presume that the extreme coldness of the season has been the principal cause. There has been 45 deaths of children under 5 years of age, and 12 adults between 60 and 80 years.
..... Huyton .....		The number of deaths (20) is above an average. <i>Small Pox</i> has been very prevalent; but three only have died, two after vaccination.
..... Much Woolton .....		15. Below the average. Several cases of <i>Measles</i> , of a mild sort, but only one has proved fatal.
..... Hale .....		2 deaths, females. Remarkable in a district containing, by the last census, 2282 persons.
CHORLTON .....	Chorlton upon Medlock .....	The deaths registered during the quarter (253) have exceeded the average by about 50 per cent. <i>Measles</i> , <i>Pneumonia</i> , <i>Scarlatina</i> , and <i>Croup</i> have been unusually prevalent and fatal. The weather has been very severe, and inflammatory Diseases of the respiratory Organs, the frequent consequence; and many old cases of <i>Asthma</i> and <i>Phthisis</i> , have been brought to a termination. The fatal cases of <i>Measles</i> have been usually accompanied with <i>Pneumonia</i> ; in many, however, there has been considerable disturbance of the brain. Of 32 cases of death from or connected with <i>Measles</i> , 5 have occurred in streets which are in good sanitary condition, 21 in streets of the worst class, and 6 in those in intermediate condition. I believe about one-fourth of the whole population reside in the streets which I have classed as those in the worst condition, and in which two-thirds of the fatal cases of <i>Measles</i> have occurred. There can be no doubt that when these streets and dwellings are put into the condition in which they ought to be, and might easily be, the fatality of such epidemics as that now raging would be reduced to far less than half of its present amount. That <i>Measles</i> is not generally a dangerous disease, under favourable circumstances, is shown by the very small proportionate mortality from it in the streets and houses that are in good, sanitary, condition. The inhabitants of the worst-conditioned streets have had, amongst them, during the last three months, six times as many fatal cases of <i>Measles</i> , in proportion to their numbers as those of the streets in better condition. That this great difference is entirely owing to the condition of such streets and dwellings is not true, for they are inhabited by the poorer classes, and all the injurious and depressing influences of poverty have operated likewise; but that a very large proportion of the excessive mortality must be attributed to their condition is certain. The want of free circulation of air from obstructed or narrow streets, and deficient ventilation of houses, increases both the spread of infection and the severity of the disease in those who are attacked. While the same causes, combined with uncleanness, which is inevitable while there is the present deficient supply of water, and with the accumulations of refuse and putrefying animal and vegetable matter, causes such depression in the general state of health as adequately accounts for the excessive mortality from epidemics, when they occur amongst a population where the conditions of healthful existence are so neglected, as they are in many parts of this district.
..... Hulme .....		The number of deaths (287) is 87 above the average of the 5 previous winter quarters. The excess is attributable to the increased population, and the prevalence of <i>Measles</i> , <i>Hooping Cough</i> , and <i>Pneumonitis</i> .
..... Stretford .....		46. Above the average. 21 deaths are of children under 2 years of age; 3 occurred from <i>Scarlatina</i> , and 8 from <i>Hooping Cough</i> .
..... Didsbury .....		30. Above the average considerably; no epidemic prevailing to account for it.
..... Barton upon Irwell .....		The deaths (84) are considerably above the average, but I have no particular cause to account for the increase but that of having had 13 inquests during the quarter, which is a very unusual number.
MANCHESTER .....	St. George .....	281. Rather above the average; attributable to the length and severity of the past winter.
..... Market Street .....		402 deaths; but independently of the Workhouse, Infirmary, and Coroners' Inquests, the number is 217, being an increase of 67 on the corresponding quarter of 1844, and of 48 on that of 1843. The increase appears to arise principally from <i>Teething</i> , <i>Measles</i> , <i>Inflammation of Lungs</i> , <i>Bronchitis</i> , <i>Atrophy</i> , <i>Disease of Heart</i> , and <i>Inflammation of Bowels</i> .

The number of deaths (340) is one-third higher than the average. This mortality, which has chiefly affected the old and the very young, is attributable to the very severe and prolonged winter that we have had. The diseases have been much of the same type and character as specified in my last return for the quarter ending December 31st. I have not sent any meteorological returns this quarter, as Mr. Gardiner, the Superintendent Registrar of Manchester, informs me that he will be enabled to get such tables from a gentleman whose time is less occupied than mine, and who has greater opportunities of making correct observations. During the past winter I have had a number of synchronous observations made on the temperature in this neighbourhood, by persons on whose accuracy in observing I could rely, and at the same hour and minute in places 4 or 5 miles asunder, the temperature has varied not less than 9 degrees of Fahrenheit. On the high ground of Cheetham Hill, situated on the north of Manchester, in an open field, the temperature was higher by 8 degrees than in a field situated 2 miles on the south side of Manchester, in low ground. Even in different parts of Manchester the temperature has varied considerably for the same moment of time. I am impressed by these results with the desirableness of having meteorological returns from a great number of places, not only those widely separated, but those with short distances intervening. The type and character of diseases, which are greatly the result of external circumstances, must be greatly modified by these differences, and hence the relative mortality. It were much to be desired that all the Registrars could be brought to make returns, for I am disposed to think that not only would the relation of disease to atmospheric conditions be unfolded, and rendered much more apparent than they now are, but possibly new laws be developed.

**SALFORD** ..... Greengate ..... 34 more than the March quarter of 1844, and 25 more than 1842, but 16 less than 1843 and 1841. 43 per cent. of the males, and 50 per cent. of the females, have this quarter died of diseases of the respiratory organs, which may possibly be owing to the severity of the season. The number of deaths in January, 80; February, 95; March, 79 Total, 254.

*ASHTON.* Ashton Town..... 250. 33 per cent. above the average of the 7 corresponding quarters. There are 61 deaths from Small Pox, without previous vaccination; 4 Scarletina, 3 Hooping Cough, 9 Measles, and 3 Typhus. The Churchwardens and Overseers of the poor of the parish of Ashton-under-Lyne, have hitherto refused to carry out the provisions of the Act of 3 and 4 Victoria, "To extend the Practice of Vaccination," by contract with Medical Officers, a circumstance that I conceive is not calculated to lessen the prejudice against it, which I find to exist to a very considerable degree amongst the working classes.

*Knott Lanes* ..... 45. Ten more deaths than the corresponding quarter of last year; 9 from Pulmonary Consumption (being a fifth of the whole), and 6 from Inflammation of the Lungs. No epidemic prevails here at present.

..... *Hartshead* ..... 171. This quarter is heavier than usual, *Measles* and *Small Pox* have raged here a good deal, as well as sickness of various descriptions.

Denton . . . . . 62. Above the average, in consequence of the Measles being prevalent.  
Dukinfield . . . . . 232. An increase of 62 deaths, as compared with the corresponding quarter of 1844.

Dukinfield 232. An increase of 62 deaths, as compared with the corresponding quarter of 1844. Small Pox and Measles have been epidemic; there are 32 deaths from Measles; 24 from Small Pox, without previous vaccination; 33 Convulsions; 32 Phthisis, and 13 Coroners' Inquests.

SUP. REG. DISTRICT	REG. DISTRICT
<i>ABERGAVENNY..... Blaenavon .....</i>	38. Above the average, but from no particular epidemic. 4 cases of <i>Typhus</i> ; 10 children under 1 year, and 7 Coroner's Inquests. My district is in a healthy state.
<i>MERTHYR TYDFIL Upper .....</i>	The deaths (215) are above the average, attributable to the number of Coroner's Inquests and Measles principally, and a slight increase of deaths from <i>Scarlatina</i> , Fever, and Hooping Cough.
<i>Aberdare.....</i>	The deaths (78) are above the average. I account for it partly from the severity of the winter and a great many old persons dying, but principally from the increase of population.
<i>NEWTOWN..... Llanidloes, Lower .....</i>	The number is 31, being above the general average, owing to <i>Scarlatina</i> prevailing greatly.
<i>WREXHAM..... Wrexham .....</i>	The number (92) is rather above the general average. <i>Scarlatina</i> has been prevailing on the western side of the district, 7 have died; other causes are, <i>Phtisis</i> 14, Convulsions 12, Dropsy 8, Pneumonia 11, Fever 3, <i>Typhus</i> 2, General Debility and old age 8, Croup 3, Diarrhea 3, Asthma 3, Coroner's Inquest 3, Disease of the Heart 2. 33 have died under the age of 5, and 34 above the age of 50.
<i>HOLYWELL..... Mold .....</i>	The deaths (85) are considerably above the average. <i>Scarlatina</i> has prevailed extensively; 14 deaths are from this cause, and 13 from <i>Phtisis</i> , making nearly one-third of the whole number.
<i>Flint .....</i>	The number of deaths (58) is considerably more than usual, in consequence of 15 having died of Consumption, and 11 from old age. <i>Measles</i> and <i>Scarlatina</i> have prevailed, but only 4 cases of each have proved fatal.
<i>ANGLESEY..... Bryngwran.....</i>	43. <i>Scarlatina</i> and <i>Consumption</i> prevalent.
<i>Llangefni .....</i>	42 deaths, being a little above the average. The only complaint which appears to have been unusually prevalent is Consumption; 9 died from that cause.
<i>Llandyfrydog.....</i>	42. <i>Scarlatina</i> has been very prevalent, and the deaths have increased 15 above the corresponding quarter of 1844.

GENERAL REGISTER OFFICE,  
8th May, 1845.

ANNUAL SERIES.

4

1845.—No. 2.

# A QUARTERLY TABLE

OF THE

## Mortality

IN A

HUNDRED AND FIFTEEN OF THE DISTRICTS

OF

# ENGLAND

(INCLUDING THE PRINCIPAL TOWNS,)

SHEWING

THE NUMBER OF DEATHS REGISTERED IN THE FOUR QUARTERS OF 1844;

THE NUMBER OF DEATHS IN THE JUNE QUARTER 1845;

AND THE AVERAGE NUMBER OF DEATHS IN THE FIVE JUNE QUARTERS 1840—4.

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## STATE OF THE PUBLIC HEALTH IN THE LAST QUARTER.

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"The Quarterly Returns are obtained from 115 Districts, sub-divided into 576 Sub-Districts. Thirty-four Districts are placed under the Metropolis, and the remaining 81 Districts comprise, with some agricultural Districts, the principal towns and cities of England. The population was 6,578,912 in 1841."

40,729 deaths were registered in the quarter ending June 30th, 1845; which is 1,235 more deaths than were registered on an average in the corresponding quarters of five previous years. The increase of deaths is not, however, in proportion to the probable increase of the population. After the necessary correction, the mortality of the Spring quarter is somewhat below the average.

*Small-pox* has prevailed epidemically in many districts; and the mortality from that disease has been considerable among children unprotected by vaccination. Several persons said to have been previously vaccinated, and one who had been inoculated, also died of Small-pox. In many districts no deaths from Small-pox occurred; in others, the disease was introduced by migratory labourers, ill provided probably with household comforts and conveniences. The neglect of vaccination is adverted to by several Registrars. The Registrar of *Leicester* says, "I have registered fifty deaths by Small-pox from January 1st to June 30th, 1845; only one of the fifty persons had been vaccinated, and that was a doubtful case." The Registrar of *Heaton Norris, Stockport*, mentions, that "in one family three infants, two sisters and a brother, all died of Small-pox in the short space of eleven days." "Small-pox," observes the Registrar of *Great Marlow, Wycombe*, "has appeared in part of my district. I find on inquiry that a vast number of parents have not availed themselves of vaccination, although perfectly aware that it can be done free of expense." The number of deaths (143) in the Northern Sub-district of Yarmouth is much above the average, in consequence of the "prevalence of Small-pox, which has proved fatal in 62 cases. "Of this number 61 died without previous vaccination. One case only is recorded in which vaccination "is said to have been performed; a midwife was the operator, and the patient was attended by an old woman. "The child was two months old." *Measles* and *Scarlatina* have been epidemic in several districts.

The 11,267 deaths in the METROPOLIS are near the average of the season, if we allow for the increase of the population. The weekly deaths fell progressively in the quarter from 884 to 756, as the temperature rose. The deaths from *Small-pox* were 246—less by 235 than were registered in the previous quarter, but 102 above the average of the June quarter for five previous years. *One hundred and four women* died from Childbirth in the Metropolis within three months!

*Districts in which the mortality was ABOVE the average of five June quarters:*—West, North, East, and South Districts of the Metropolis; Winchester, Northampton, Colchester, Ipswich, Yarmouth, Dorchester, Plymouth, Kidderminster, Dudley, Wolverhampton, Birmingham, Leicester, West Derby, (adjoining Liverpool,) Blackburn, Rochdale, Chorlton, Ashton, Bradford, Leeds, Merthyr Tidfil, Holywell, Anglesey.

*Districts in which the mortality was BELOW the average of five June quarters:*—Central District of the Metropolis, Devizes, Redruth, Penzance, Bristol, Hereford, Shrewsbury, Macclesfield, Liverpool, Preston, Bury, Wigan, Prescott, Sunderland, Tynemouth, Newcastle-on-Tyne, Kendal, Wrexham,

The mean temperature at Greenwich was  $51^{\circ} 9$ , which is  $1^{\circ} 1$  below the average of the season. The north and north-east winds prevailing, the temperature of the whole month of May was below the average; but the wind turning south-west, the temperature of June rose above the average of the month. The fall of rain was nearly 5 inches ( $4^{\circ} 8$ ). At Derby more than 8 inches of rain fell in the same time.

**T A B L E**  
OF THE  
**MORTALITY**

In 115 of the Districts of England (including the principal Towns): shewing the Number of Deaths Registered in the 4 quarters of 1844, and in the quarter ending June 30th, 1845. Also the average Number of Deaths in the 5 quarters, ending June 30th, 1840—1844.

Parts of Divisions and Districts	Popula- tion 1841	Deaths Registered in the 4 Quarters of 1844, ending				1840—44		Deaths in the Spring Quarter, ending June 30th, 1845.	Parts of Divisions and Districts	Popula- tion 1841	Deaths Registered in the 4 Quarters of 1844, ending				1840—44		Deaths in the Spring Quarter, ending June 30th, 1845.				
						Quarterly Average										Quarterly Average					
		March 31st	June 30th	Sept. 30th	Dec. 31st	Of Five Years	Of Five June Quarters				March 31st	June 30th	Sept. 30th	Dec. 31st	Of Five Years	Of Five June Quarters					
Total .....	6578912	46041	38925	38784	43958	41264	39494	40729	Shrewsbury .....	21529	103	140	169	166	142	137	118				
Ditto, exclusive of Metropolis ..	4663808	32570	27454	26959	30302	29316	28639	29462	Worcester .....	27130	214	129	167	150	160	151	150				
Aggregate Deaths in the Subjoined Districts of the 11 Divisions of England									Kidderminster .....	29408	242	169	167	190	162	143	279				
1 Metropolis .....	1915104	13471	11471	11825	13656	11948	10855	11267	Dudley .....	86028	549	468	466	697	528	500	551				
2 South Eastern .....	218181	1391	1190	1124	1329	1179	1131	1121	Walsall .....	34274	197	174	168	179	205	186	180				
3 South Midland .....	155225	1133	958	840	911	879	873	939	Wolverhampton .....	80722	542	457	526	491	524	497	541				
4 Eastern .....	128921	932	785	680	866	758	731	900	Wolstanton .....	32669	248	202	169	208	211	212	228				
5 South Western .....	327899	2109	1735	2063	1983	1851	1738	1695	Birmingham .....	138187	1118	869	932	963	912	809	859				
6 Western .....	775221	5458	4598	4669	5117	4821	4550	4750	Aston .....	50928	349	298	317	327	290	275	291				
7 North Midland .....	234771	1638	1419	1309	1482	1473	1401	1513	Coventry .....	31028	234	199	231	241	208	194	187				
8 North Western .....	1530460	11398	9387	9610	11095	10739	10443	10308	<b>N. Midland Division</b>												
9 York .....	691131	4492	4045	3751	4321	4181	4252	4611	Leicester .....	50932	415	344	339	387	364	328	432				
10 Northern .....	328902	1967	1717	1616	1661	1911	1886	1827	Lincoln .....	36110	242	180	143	160	192	200	202				
11 Welsh .....	273127	2052	1680	1297	1517	1522	1635	1798	Nottingham .....	53080	387	327	394	581	367	317	323				
									Basford .....	59634	328	359	233	344	322	342	350				
									Derby .....	35015	266	209	200	210	228	214	206				
									<b>N. Western Division</b>												
+ Metropolis .....									Stockport .....	85672	483	418	462	474	537	521	516				
West Districts .....	301326	1975	1802	1622	1987	1758	1701	1843	Macclesfield .....	56018	398	338	283	344	374	384	362				
North Districts .....	366303	2480	2191	2293	2353	2188	2051	2130	Gt. Broughton, inc. Chester .....	49085	345	237	208	263	298	301	293				
Central Districts .....	374759	2547	2044	2190	2491	2307	2117	2056	Liverpool .....	223054	1996	1547	1945	2181	1926	1785	1614				
East Districts .....	393247	2975	2433	2547	2999	2596	2295	2389	West Derby, (adj. Liverpool) .....	88652	576	526	602	814	582	511	581				
South Districts .....	479460	3494	3001	2973	3826	3099	2691	2849	Blackburn .....	75091	513	461	474	578	478	497	526				
<b>S. Eastern Division</b>									Preston .....	77189	506	464	450	429	525	547	481				
Maidstone .....	32310	218	202	160	204	186	183	170	Rochdale .....	60577	480	406	316	329	391	424	466				
Brighton .....	46742	329	219	233	303	270	249	218	Bury .....	77496	614	495	380	445	499	521	430				
Ile of Wight .....	42547	207	191	187	235	194	195	194	Bolton .....	97519	678	616	534	621	656	641	641				
Portsmouth Island .....	53036	344	363	345	341	312	298	301	Wigan .....	66032	641	486	353	370	449	475	355				
Winchester .....	23044	170	117	100	153	121	110	140	Prescott .....	43739	259	183	174	237	250	261	231				
Windsor .....	20502	123	98	99	93	96	95	98	Chorlton .....	93736	622	540	653	709	616	564	647				
<b>S. Midland Division</b>									Manchester .....	192408	1541	1260	1441	1653	1531	1398	1326				
St. Albans .....	17051	109	73	100	94	82	79	83	Salford .....	70228	502	417	417	525	495	451	445				
Wycombe .....	34150	238	229	180	198	192	213	192	Ashton .....	173964	1244	993	918	1173	1133	1162	1381				
Oxford .....	19701	108	77	90	103	100	87	86	<b>York Division</b>												
Northampton .....	28103	211	224	162	181	172	172	251	Sheffield .....	85076	579	464	494	600	556	513	513				
Bedford .....	31767	237	200	175	203	182	178	180	Huddersfield .....	107140	607	572	447	537	549	614	603				
Cambridge .....	24453	230	155	133	132	151	143	147	Halifax .....	109175	670	606	458	596	581	607	626				
<b>Eastern Division</b>									Bradford .....	132164	949	959	861	833	824	865	1107				
Colchester .....	17790	136	105	124	122	108	105	125	Leeds & Hunslet .....	168667	1088	936	997	1105	1096	1081	1177				
Ipswich .....	25254	174	161	135	135	142	134	178	Hull .....	41130	327	241	247	314	297	278	288				
Norwich .....	61846	426	342	306	465	377	375	406	York .....	47779	272	267	247	336	278	293	297				
Yarmouth .....	24031	196	127	115	164	131	117	191	<b>Northern Division</b>												
<b>S. Western Division</b>									Sunderland .....	56226	306	307	267	270	339	339	303				
Devizes .....	22130	148	118	84	108	123	129	108	Gateshead .....	38747	216	216	228	214	239	223	237				
Dorchester .....	23380	168	95	99	95	114	109	135	Tynemouth .....	55625	332	268	242	274	313	314	295				
Exeter .....	31333	262	186	160	194	207	177	164	Newcastle-on-Tyne .....	71850	436	373	414	375	465	463	429				
St. Thomas .....	47105	247	230	208	211	216	203	231	Carlisle .....	36084	271	199	165	204	213	185	203				
Plymouth .....	36527	269	209	257	279	227	197	225	Cockermouth .....	35676	184	166	146	164	166	161	174				
Redruth .....	48052	270	243	419	310	262	251	211	Kendal .....	34694	222	168	154	160	176	202	186				
Penzance .....	50100	238	221	475	366	271	236	205	<b>Welsh Division</b>												
Bath .....	69232	507	433	361	420	432	436	416	Abergavenny .....	50834	476	232	244	273	319	361	352				
<b>Western Division</b>									Pontypool .....	25037	142	99	97	134	137	159	150				
Bristol .....	64298	464	424	435	524	479	461	419	Merthyr Tydfil .....	52864	569	560	397	460	363	374	462				
Clifton .....	66223	425	427	350	385	386	383	375	Newtown .....	25958	145	117	101	96	126	137	149				
Stroud .....	38920	241	244	184	190	193	202	206	Wrexham .....	39542	266	221	159	181	221	233	214				
Cheltenham .....	40231	228	191	191	219	224	212	198	Holywell .....	40787	253	209	177	228	204	208	280				
Hereford .....	33646	244	207	197	187	198	188	168	Anglesey .....	38105	201	142	122	155	152	162	191				

\* The last quarter in the Metropolis ended June 28th, 1845.

+ Wandsworth District is included in the return for the Metropolis.

† The former District of Leeds is now divided into the districts of *Leeds* and *Hunslet* both included in the present return.

# A TABLE OF THE MORTALITY

IN THE

## Metropolis,

SHEWING THE NUMBER OF DEATHS FROM ALL CAUSES,

*Registered in the 13 Weeks ending June 28th, 1845.*

CAUSES OF DEATH	Quarterly Average of Deaths in the 5 June Quarters, 1839-43	Deaths in the Spring Quarter ending June 28th, 1845	CAUSES OF DEATH	Quarterly Average of Deaths in the 5 June Quarters, 1839-43	Deaths in the Spring Quarter ending June 28th, 1845
<b>ALL CAUSES .....</b>	10960	11267	<b>IV.—Laryngitis .....</b>	7	12
<b>ESIFIED CAUSES .....</b>	10912	11231	Quinsey .....	18	14
I.—Zymotic (or Epidemic, Endemic, and Contagious) Diseases .....	1993	1885	Bronchitis .....	130	272
SPORADIC DISEASES:—			Pleurisy .....	23	28
II.—Dropsy, Cancer, and other Diseases of uncertain or variable Seat .....	1300	1193	Pneumonia .....	813	869
III.—Diseases of the Brain, Spinal Marrow, Nerves and Senses .....	1887	1938	Hydrothorax .....	54	54
IV.—Diseases of the Lungs and of the other Organs of Respiration .....	3340	3478	Asthma .....	198	203
V.—Diseases of the Heart and Blood Vessels .....	260	419	Phthisis or Consumption .....	1919	1819
VI.—Diseases of the Stomach, Liver, and other Organs of Digestion .....	755	860	Disease of Lungs, &c. ....	178	207
VII.—Diseases of the Kidneys, &c. ....	68	125	<b>V.—Pericarditis .....</b>	11	29
VIII.—Childbirth, Diseases of the Uterus, &c. ....	108	150	Aneurism .....	9	11
IX.—Rheumatism, Diseases of the Bones, Joints, &c. ....	77	85	Disease of Heart, &c. ....	240	379
X.—Diseases of the Skin, Cellular Tissue, &c. ....	14	25	<b>VI.—Teething .....</b>	205	163
XI.—Old Age.....	795	744	Gastritis .....	193	19
XII.—Violence, Privation, and Intemperance .....	314	329	Enteritis .....		143
I.—Small Pox .....	144	246	Peritonitis .....	17	37
Measles .....	355	322	Tabes Mesenterica .....	61	128
Scarlatina .....	325	201	Worms .....	3	4
Hooping Cough .....	438	463	Ascites .....	9	14
Croup .....	99	83	Ulceration (of Intestines, &c.) .....	15	32
Thrush .....	49	45	Hernia .....	22	25
Diarrhoea .....	59	84	Colic or Ileus .....	22	31
Dysentery .....	12	17	Intussusception .....	5	11
Cholera .....	5	2	Stricture .....	7	6
Influenza .....	25	11	Hæmatemesis .....	6	11
Ague .....	3	3	Disease of Stomach, &c. ....	50	65
Remittent Fever .....	6	7	Disease of Pancreas .....	..	1
Typhus .....	400	308	Hepatitis .....	13	24
Erysipelas .....	65	80	Jaundice .....	26	27
Syphilis .....	8	13	Disease of Liver, &c. ....	99	117
Hydrophobia .....	1	..	Disease of Spleen .....	1	2
II.—Hæmorrhage .....	40	28	<b>VII.—Nephritis .....</b>	5	4
Dropsy .....	411	329	Ischuria .....	2	..
Abscess .....	42	15	Diabetes .....	4	7
Noma .....	..	1	Cystitis .....	3	5
Mortification .....	55	60	Stone .....	5	10
Purpura .....	3	4	Stricture .....	6	12
Serofula .....	29	41	Disease of Kidneys, &c. ....	44	87
Cancer .....	106	151	<b>VIII.—Childbirth .....</b>	78	104
Tumour .....	19	2	Paramenia .....	2	1
Gout .....	13	15	Ovarian Dropsy .....	3	8
Atrophy .....	76	136	Disease of Uterus, &c. ....	24	37
Debility .....	239	242	<b>IX.—Arthritis .....</b>	1	2
Malformations .....	12	17	Rheumatism .....	34	31
Sudden Deaths .....	173	152	Disease of Joints, &c. ....	43	52
III.—Cephalitis .....	164	144	<b>X.—Carbuncle .....</b>	1	3
Hydrocephalus .....	461	456	Phlegmon .....	1	2
Apoplexy .....	209	252	Ulcer .....	4	4
Paralysis .....	189	191	Fistula .....	5	5
Convulsions .....	670	641	Disease of Skin, &c. ....	4	11
Tetanus .....	4	7	<b>XI.—Old Age .....</b>	795	744
Chorea .....	2	3	Privation .....	7	15
Epilepsy .....	50	49	Violent Deaths .....	3	3
Insanity .....	12	16	Causes not specified .....	304	311
Delirium Tremens .....	22	23		48	36
Disease of Brain, &c. ....	106	156			

QUARTERLY METEOROLOGICAL TABLE,

*Compiled from the Weekly Tables furnished to the Registrar General by the Astronomer Royal.*

*Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhea, Dysentery, Cholera and Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, & the total deaths † (except violent and sudden) in each of the 13 weeks ending June 28, 1845.*

METEOROLOGICAL OBSERVATIONS FOR THE JUNE QUARTER, 1845.

THERMOMETERS										WIND			Rain in Inches		
Year 1845.	Mean height of Barometer cor- rected and re- duced to 32°	Mean of 3 Daily Observations			Self Registering			Wet Bulb	Average Mean of daily Observations	Average General Cloudiness	Wet Days	General Direction	Days	Rain in Inches	
Months.	Inches	Highest	Lowest	Difference	Mean of daily Observations	Mean of daily Observations	Mean of daily Observations	Wet Bulb	Average Mean of daily Observations	General Cloudiness	Wet Days	General Direction	Days		
BRIGHTON <i>J. O. N. Rutter, Esq.</i>	April	* 29.828	47.07	+ 53.83	+ 39.97	13.86	† 46.99	43.66	"	NE. SW. NW. SW. N. NE. SW. NE.	§ 8.36	10			
	May	29.863	50.59	57.87	42.26	15.61	50.38	46.30	"	6.48	16				
	June	29.936	61.07	51.36	16.65	63.01	55.1	"	3.4	12					
BIRMINGHAM <i>William Onion, Esq., Curator, &amp;c.</i>	April	29.380	51.61	71.0	30.5	4.0.6	49.96	40.68	E. ENE. SW. &c.	"	13				
	May	29.423	51.92	69.0	36.5	32.6	50.46	42.74	NE.	,"	25				
	June	29.457	63.27	84.0	42.5	41.5	61.25	52.85	SW. & NE.	,"	19				
CARLISLE, HARRABY <i>Jos. Atkinson, Esq.</i>	April	29.822	"	64.5	32.1	32.4	48.9	22	* * 12 hours	E. 17 days W. 13 "	7	12			
	May	29.889	"	61.5	38.0	23.5	48.6	22	Strong 1 "	E. 21 "	14	17			
	June	29.808	"	73.5	46.2	27.2	68.1	22	Moderate 3 "	W. 10 "	10	17			
DERBY <i>Mr. J. Davies</i>	April	29.77	"	69.0	28.0	41.0	"	"	Strong 3 "	E. 17 days W. 13 "	7	12			
	May	29.78	"	64.0	33.0	31.0	"	"	Strong 3 "	E. W. & WNW.	,"	20			
	June	29.88	"	83.0	42.0	41.0	"	"	Strong 3 "	E. W. & NW.	,"	14			
FALMOUTH <i>Lovell Square, Esq.</i>	April	†† 29.78	†† 49.3	58	38	20	47.9	†† 41.49	†† 2.3	†† E. & N. N. & NW. SW. W. & N.	5.4	11			
	May	29.89	52.2	62	41	21	51.6	43.17	2.2	7.1	9	12.05			
	June	29.92	59.0	73	48	25	58.5	53.39	2.2	6.1	11	2.995			
HELSTON <i>M. P. Moyle, Esq.</i>	April	29.674	§§ 61.1	63.	35.	28.	50.	47.3	2.0	E. NNE. SW. & N	3.6	9			
	May	29.729	63.8	69.	38.	31.	52.5	49.8	1.6	4.2	5	1.93			
	June	29.832	60.8	78.	45.	33.	59.5	56.4	1.6	4.2	10	2.29			
NORTH SHIELDS <i>S. J. Gibbs, Esq.</i>	April	29.849	"	63.2	27.3	35.9	43.23	42.46	6 days high wind 2 days moderate 7 days high wind 4 days moderate 28 days moderate	NE. & SW. NE. SW. & NW.	,"	21			
	May	29.904	"	65.5	36.7	28.8	46.56	43.95	,"	20					
	June	29.838	"	75.8	40.2	35.6	56.97	52.83	,"	17					
YORK <i>John Ford, Esq.</i>	April	29.914	46.5	67	24	20	51	47	Northerly Northerly Westerly	Cloudy Cloudy Fair	11	1.68			
	May	29.9305	49.25	66	35	14	52.8	48.10	,"	19	1.88				
	June	29.949	59.4	83	42	20	63	58	,"	15	3.79				

\* Observations daily at 9 A.M. and 3 and 9 P.M.      † Mean highest and lowest.      § Total cloudiness taken as 100.  
 \*\* Oster's Anemometer.      || Mean Dew Point (Darnell's).  
 || Difference of Wet and Dry Bulb—2 Observations daily, or 3 Observations daily at 9 A.M. and 3 P.M. and 9 P.M.  
 ||| The hours are divided into 5 daily observations, including highest and lowest.

## REGISTRARS' NOTES.

The following Instruction was addressed to the 447 Registrars in the Country:—

"If at any time the number of deaths registered during the Quarter has been *above the average*, state, in a note at the foot of the Return, whether any epidemic disease, such as Measles, Typhus, &c., has been prevailing in the District; or if there be any other known circumstance which will account for the increase."

In compliance with the above, 147 Registrars have appended explanatory notes to their Returns; the remaining 300 Registrars apparently observed a decrease, or no obvious increase, in the mortality.

An Abstract of the Notes to the Returns is subjoined.

SUP. REG. DISTRICT.	REG. DISTRICT.	
PORTSEA ISLAND ..	<i>Kingston, &amp;c.</i> .....	Of the 78 deaths 7 were from <i>Small Pox</i> without vaccination, and 1 after it— <i>Measles</i> 2, being 11 less than in the corresponding quarter of 1844.
	<i>Landport, &amp;c.</i> .....	97 deaths, being 27 less than in the previous quarter. The principal causes are Consumption and Old Age; 1 of 95 years and 11 above 76 died from natural decay. I consider my district healthy.
ST. ALBANS .....	<i>Harpden</i> .....	31 deaths, or about one-fourth more than the average of the last 3 spring quarters; Small Pox I think accounts for the increase. I have registered 8 cases, 7 without previous vaccination. Hooping Cough is prevalent, two deaths during the last week. Small Pox is rapidly decreasing.
WYCOMBE .....	<i>Great Marlow</i> .....	36 deaths, being 4 more than the preceding quarter, and 7 less than the corresponding quarter 1844; 10 of the number were between 60 and 90 years, 1 death from Typhus, 1 Small Pox after vaccination imperfectly. Small Pox has appeared in part of my district. I find on enquiry that a vast number of parents have not availed themselves of vaccination although perfectly aware it can be done free of expence.
OXFORD .....	<i>Oxford</i> .....	86 deaths, being 9 more than the corresponding quarter of 1844, and 4 less than the corresponding quarters of 1839-43. District generally healthy, and no epidemic prevailing.
NORTHAMPTON ....	<i>Bugbrooke</i> .....	The number of deaths (25) is above the average. I have registered 2 from Small Pox without vaccination, and one after vaccination. No other prevailing epidemic disease.
	<i>St. Giles</i> .....	118 deaths. Small Pox is still very prevalent, and has proved fatal in 16 cases.
BEDFORD .....	<i>Bedford &amp; Cardington</i> .....	Number of deaths considerably below the average. District generally very healthy.
CAMBRIDGE .....	<i>St. Andrew the Less</i> .....	The number of deaths this quarter is about the average, this district is healthy.
	<i>St. Andrew the Great</i> .....	35, being 10 more than in the corresponding quarter of last year; the majority are children. Inflammation of the Lungs and Bowels have been prevalent.
IPSWICH .....	<i>St. Clement</i> .....	The number of deaths (53) is above the average of previous corresponding quarters, and is chiefly attributable to the prevalence of Measles, 10 children having died of that complaint, and 2 from Small Pox without previous vaccination.
	<i>St. Matthew</i> .....	Above the average, Measles being very prevalent. Of the 80 deaths 14 were registered from that cause.
NORWICH .....	<i>Conisford</i> .....	74, being a little above the average. 13 deaths occurred from <i>Small Pox</i> , 4 from <i>Scarlatina</i> , 10 <i>Phtisis</i> , and 10 Old Age.
	<i>Coslany</i> .....	70 deaths—about the usual average. 8 fatal cases of <i>Small Pox</i> , none of which had been vaccinated.
YARMOUTH .....	<i>Northern</i> .....	The number of deaths (143) is much above the average in consequence of the prevalence of Small Pox which has proved fatal in 62 cases. Of this number 61 died without previous vaccination. 1 case only is recorded in which vaccination is said to have been performed; a midwife was the operator, and the patient was attended by an old woman. The child was 2 months old.
DEVIZES .....	<i>Lavington</i> .....	Below the average, district particularly healthy.
	<i>Bishops Cannings</i> .....	21, being above the average, owing to the continuance of Hooping Cough. The number of deaths from other diseases is below the average.
ST. THOMAS .....	<i>St. Thomas</i> .....	Of the present number (43) 7 died of <i>Small Pox</i> —all without previous vaccination, 5 <i>Phtisis</i> , 5 <i>Croup</i> (one having had also <i>Hooping Cough</i> ), 1 <i>Typhus</i> , 1 <i>Bilious Fever</i> , 1 of <i>Influenza</i> with <i>Inflammation of the Lungs</i> .
	<i>Kenton</i> .....	27 deaths. Typhus and Erysipelas have been unusually prevalent. There have been many cases of <i>Small Pox</i> , brought here at first by railway labourers; one case very severe after having had it from inoculation 19 years ago, one severe case after vaccination 28 years ago, but no fatal case. I find very great reluctance amongst the smaller farmers and all the labourers to have their children vaccinated, many of them contrive to inoculate their own children.
	<i>East Budleigh</i> .....	The return (31) includes 6 Inquests, 3 of which occurred from Burns, 2 from other accidents, and 1 from Apoplexy. There have been 4 deaths from Consumption, 10 from Old Age &c. aged 79, 85, 78, 76, 90, 82, 74, 85, 72, 82.
	<i>Alphington</i> .....	20 deaths. Measles has been prevalent in some parts of my district but not fatal, the other parts continue healthy; only one case of Typhus has been registered.
	<i>Woodbury</i> .....	3 less deaths than the corresponding quarter of last year.
	<i>Broadclst</i> .....	23 deaths, being 9 above the average and more than any corresponding quarter since the passing of the Registration Act.

SUP. REG. DISTRICT.	REG. DISTRICT.
PLYMOUTH .....	Saint Andrew.....
	The mortality (137) is about the average of the spring quarters; the only diseases of the epidemic class to be noticed are <i>Hooping Cough</i> and <i>Croup</i> 6, but there has been more than the usual number of deaths from <i>Apoplexy</i> (9). The great mortality from diseases of the Respiratory Organs, referred to in my note last quarter, has considerably improved in this, and the district is I believe at present healthy.
	Charles the Martyr.....
	88 deaths, being above the average. A large proportion are from diseases of the Respiratory Organs. <i>Hooping Cough</i> has been very prevalent. The mortality was greatest in the early part of the quarter, the number having greatly diminished on the setting in of the warm weather.
REDRUTH .....	Illogan .....
	Of the 50 deaths 23 were cases of Consumption which appears to be the greatest number from that disease in any quarter since the Registration commenced.
BATH .....	Lyncombe, &c.....
	71 deaths. The Small Pox has been and is still very prevalent, several deaths having occurred notwithstanding the Vaccination Act having been fully carried into effect; the other cases of death are of the usual ordinary occurrence, Consumption bearing its full proportion.
BRISTOL .....	Castle Precincts .....
	80 deaths, being about the average number. In the previous quarter there were 112 deaths and 50 were from pulmonary complaints, which in the present quarter are 32, being 18 less. 3 deaths have occurred from <i>Typhus</i> , 1 from <i>Small Pox</i> , 4 from <i>Hooping Cough</i> , and 1 from <i>Hooping Cough</i> and <i>Measles</i> . Inquests 5: death in 1 of these cases was accelerated by want of the common necessities of life, which is the only one of the kind that has occurred in my district since the Registration Act has been in operation.
CLIFTON .....	Westbury, &c.....
	40 deaths, the average having been increased by the variable state of the weather proving so injurious to those having diseased lungs, especially in the male sex.
STROUD .....	Stroud .....
	50 deaths. There has been no prevailing disease, although a great number of deaths, which have occurred from <i>Phthisis</i> and general Debility.
HEREFORD .....	Clodock.....
	This district has been remarkably healthy this quarter, and the number of deaths does not exceed the average amount.
KIDDERMINSTER ..	Kidderminster .....
	The extraordinary number of deaths (200) is attributable to <i>Scarlatina</i> , Consumption, and diseases of the Lungs and Chest.
DUDLEY .....	Tipton .....
	The deaths in my district are 50 less than the preceding quarter. Out of the 120 deaths registered 14 died of <i>Consumption</i> , 13 of <i>Convulsions</i> , 11 of <i>Inflammation on the Lungs and Chest</i> , 7 of <i>Bowel Complaint</i> , 7 of <i>Typhus Fever</i> and Inquests 19.
	Sedgley .....
	165 deaths, which is 65 less than the preceding quarter. The major part have been occasioned by the following causes— <i>Measles</i> 35, <i>Diarrhaea</i> and <i>Diarrhaea Convulsions</i> 11, <i>Consumption</i> 11, <i>Typhus</i> 1, <i>Scarlatina</i> 4, Old Age 7, and 10 Inquests.
	Dudley .....
	The number of deaths this quarter (190) is less by 82 than the preceding one. In the March quarter there were 45 cases of <i>Fever</i> , in this I have registered only 12, this accounts in some measure for the decrease.
WOLVERHAMPTON..	Wolverhampton Eastern .....
	Measles have been exceedingly prevalent; 45 cases recorded. The number of deaths is 190 being about 40 above the average.
	Willenhall .....
	The deaths in my district (96) have been considerably above the average and include 20 cases of Measles, the greatest number since the commencement of the Registration Act.
WOLSTANTON .....	Tunstall.....
	District in a healthy state. Under the average.
BIRMINGHAM .....	All Saints.....
	The number of deaths (49) is less than that of the previous quarter, nevertheless the cases of Small Pox have increased from 6 to 10, of which 8 died without previous vaccination, and 2 after vaccination, but connected with these 2 instances there are circumstances to justify a doubt as to vaccination having been properly effected.
	St. George .....
	Of the 162 deaths 30 were from <i>Consumption</i> , 2 <i>Typhus</i> , 1 <i>Hooping Cough</i> , 4 <i>Inflammation of Bowels</i> , 21 <i>Inflammation of Lungs or Chest</i> , 19 <i>Small Pox</i> without previous vaccination, 6 after vaccination (2 of which were women), and 12 Inquests. The number of deaths this quarter is 103 less than last quarter, and 14 less than the corresponding quarter of last year.
	St. Paul .....
	The mortality (59) is 9 below the average of 7 years and 5 less than the corresponding quarter of 1844. There have been 11 deaths from <i>Small Pox</i> , the highest number I ever registered in 3 months, 5 of them after vaccination, but this malady appears to be subsiding.
	St. Peter .....
	90 deaths. Rather above the average owing to the prevalence of <i>Small Pox</i> ; the number registered being 10 without previous vaccination, and 1 after vaccination.
	St. Thomas .....
	129, including 21 deaths from <i>Small Pox</i> without previous vaccination and 6 after vaccination, also 24 deaths of <i>Phthisis</i> .
	Lady Wood .....
	77 deaths, including 10 cases from <i>Small Pox</i> , 3 of which had been previously vaccinated, the other 7 had not. The total mortality is 31 less than the previous quarter, and 10 more than the corresponding quarter of 1844.
ASTON .....	Deritend.....
	The return (120) shews an increase of 17 deaths over the corresponding quarter of last year, which is accounted for by the continued prevalence of <i>Small Pox</i> of which there have been 27 cases, 23 of which were not vaccinated.
COVENTRY .....	Holy Trinity.....
	67 deaths. The rate of mortality is considerably lower than usual, notwithstanding <i>Small Pox</i> has been particularly prevalent and fatal: in all cases where it has proved so vaccination had not been resorted to.
LEICESTER .....	East .....
	The number of deaths (277) shows an increase of 77 over the corresponding quarter of 1844, and a decrease of 1 on the preceding quarter. The increase is owing to <i>Small Pox</i> , without previous vaccination, and <i>Measles</i> still prevailing. I have registered 50 deaths from <i>Small Pox</i> from January 1st to June 30th, 1845, without vaccination, and only 1 that had been vaccinated and that a doubtful case; 32 deaths from <i>Measles</i> , <i>Asthma</i> , and <i>Inflammation of the Respiratory Organs</i> of aged people has occasioned the death of 26 between 60 and 70 years, 19 between 70 and 80 years, 5 between 80 and 90 years, 3 between 90 and 100 years. Inquests 8.
BASFORD .....	Bulwell.....
	The return (40) is rather above the average of corresponding previous quarters; but the district is generally in a healthy state.
	Ilkeston.....
	The number of deaths (74) is above the average, <i>Small Pox</i> having prevailed extensively and proved fatal in many instances.
	Basford.....
	The number of deaths (80) is 3 more than in the last quarter; 9 <i>Phthisis</i> , and 5 <i>Small Pox</i> (1 only previously vaccinated). Infant deaths have been numerous, 23 having died under the age of 12 months, chiefly from convulsions and debility. <i>Small Pox</i> is decreasing in my district.
DERBY.....	St. Alkmund.....
	The number of deaths (98) exceeds the average by 15. There has been no epidemic disease, but 10 inquests have been held, of which 8 were accidental, and 1 by hanging himself.

## SUP. REG. DISTRICT.

## REG. DISTRICT.

**STOCKPORT** ..... *Stockport (First)* ..... The number of deaths (172) is 21 more than in the corresponding quarter last year, but if the increase of population be taken into account it will be about the average. There has been no epidemic, and the district is considered healthy.

..... *Heaton Norris* ..... Although 26 more than the preceding quarter, the district is considered healthy. Of the zymotic class, 3 from Small Pox, 2 Typhus, 2 Scarlatina, 1 Croup, are registered. Measles, which at the close of last quarter raised such fearful apprehensions, after causing 4 deaths, seems to have subsided. It is painful to witness the prejudice of some, and the ignorance and carelessness of others, on the subject of vaccination. The 3 cases above-mentioned happened in one family; 3 infants, 2 sisters and a brother, all dying in the short space of 11 days. Surely it needs few more such instances to show how great a national blessing it would be were the legislature to make the law more stringently imperative.

## ANALYSIS OF AGES.

Under 1 year	2 years	3 years	4 years	5 years	10 years	15 years	20 years	30 years	40 years	50 years	60 years	70 years	80 years	90 years	Total
32	7	4	3	1	4	0	6	8	4	7	9	9	3	1	94

..... *Hazelgrove* ..... The number (27) is above the average, occasioned, as in the last quarter, by the prevalence of the Measles. In some instances I fear death has been accelerated, if not occasioned, by the use of improper treatment, the administering of ardent spirits, producing much fever and difficulty of breathing, but this I would hope has not been generally the case. At present the disease has entirely subsided and the district is healthy. Vaccination is being much attended to at present, and as I have never had to report one case of Small Pox since appointed to this office in 1837, I trust it will remain so. There has been only 1 case of Typhus last quarter.

**GREAT BOUGHTON** *The Castle Division*.... The 105 deaths include 9 cases of Small Pox, 6 without previous vaccination, 2 after previous vaccination, and 1 no information.

..... *Cathedral Division* .... 119 deaths, including 12 cases of Small Pox, of which 10 had been previously vaccinated, 1 was not known, and 1 in which the operation was supposed not to have been perfect.

**LIVERPOOL** ..... *St. Thomas* ..... The district healthy. The deaths (210) are below the average, and the only peculiar case is one of hydrophobia, a man aged 29 years, who was bit 9 months previous to its taking effect by a dog; the paroxysms, which last 3 days, were very violent.

..... *Mount Pleasant* ..... Deaths this quarter are 319, exceeding the average number about 8, attributable to no prevailing epidemic.

**WEST DERBY** ..... *West Derby* ..... 105, being a decrease of 32 in this number of deaths, as compared with the previous quarter.

..... *Great Crosby* ..... 12 deaths. Though the mortality in my district is nearly an average compared with former quarters, the whole parish never was known to be more healthy, for it is an unprecedented fact, that there has not been a single interment at the church of the parish, containing ten townships, during the last eight weeks.

..... *Toxteth Park* ..... The number of deaths this quarter (313) is 36 less than in the last. Small Pox, previously vaccinated, 4, not vaccinated 9, Measles 3, and Scarlatina 12.

**BLACKBURN** ..... *Blackburn* ..... The deaths (291) are rather more than the average, being 51 more than same quarter last year. No particular epidemic prevailing in my district at present. 10 deaths of Small Pox, 8 had not been vaccinated. 72 persons have died of Consumption, 17 of Old Age, 24 children of the Croup, and 22 infants in Fits.

..... *Darwen* ..... 118, being 15 deaths fewer this quarter than the last, but Small Pox is still prevalent and fatal, 30 deaths from that disorder.

..... *Witton* ..... 20, being an increase of 5 deaths, but I cannot assign any particular cause, as there is no epidemic prevailing.

**PRESTON** ..... *Preston* ..... 360 deaths, being 10 more than the corresponding quarter last year, but less by 34 on the average.

..... *Walton-le-dale* ..... The number (54) is above the average of the same quarters by 10, which may be accounted for; there having been 3 deaths caused by Measles, 3 by Typhus, 3 by Small Pox, and 4 by Scarlatina.

**ROCHDALE** ..... *Whitworth* ..... The number of deaths (41) rather exceeds the usual average. Inflammation and Consumption are the most prevailing diseases.

..... *Blatchinworth* ..... 34, being more than an average number, on account of the Scarlatina being very severe.

..... *Wardleworth* ..... The number of deaths (111) is above the average, Measles and Scarlatina having prevailed, and two cases of Typhus.

..... *Wuerdle and Wardle*.... 68, being above an average. The only complaint which appears to have been unusually prevalent is Scarlatina, 13 cases having proved fatal.

**BURY** ..... *Elton* ..... The number (50) is rather above an average. 9 fatal cases of Small Pox without vaccination, but that disease is abating at present. My district seems healthy in other respects.

..... *Tottington Lower End*.. The return (23) is about an average of corresponding quarters, although 11 out of the number were children under 7 years age—3 from Croup, 3 Fits, 4 Debility, and 1 Pneumonia.

**BOLTON** ..... *Western Bolton* ..... The number of deaths (140) exceeds the corresponding quarter of last year by 5. Scarlatina has been epidemic in my district, 13 have died from that disease, 6 Measles; and I have had 10 inquests during the quarter, being about twice the number generally held.

..... *Little*..... The number of deaths (81) is less by one-fifth than the corresponding quarters of previous years. The mortality of aged people is yet on the increase: 11 females died whose ages have averaged 70½ years, and 5 males whose ages have averaged 69½ years. There has been no particular epidemic in the district. The causes of fatality among children have been—Dentition 11, Scarlatina 2, Croup 3, Small Pox, without previous vaccination, 2. Adults—Influenza 3. I attribute the healthy state of the district partly to the more agreeable change in the weather, and also to the more constant employment of the working classes; the additional comforts they have been able to obtain have tended much to the diminution of sickness and deaths among children; and with the increased attention yet paid to vaccination, cases of Small Pox will, I hope, be of very rare occurrence.

..... *Sharples* ..... 23, being 5 more than in the last quarter, arising from a variety of diseases not epidemic; Phthisis, Fits, &c., are the chief cause.

SUP. REG. DISTRICT.	REG. DISTRICT.	
BOLTON .....	Halliwell .....	35, being double the average number of deaths, but I cannot assign any particular reason for the increase. There has not been any epidemic. 7 cases of Phthisis, 3 of Scarlatina, 3 of Croup, and 5 Coroners' Inquests, the remainder are of the usual kinds such as Old Age, Convulsions, &c.
..... Little Hutton .....	.....	8 more than the average. 6 Coroner's Inquests. The district is in a healthy state.
..... Farnworth .....	.....	55 deaths, being 5 deaths above the general average. Measles has been prevalent and 15 have died of that disease.
..... Lever .....	.....	42, being rather more than an average, Measles, Scarlatina, and Small Pox have prevailed but have not been very fatal.
WIGAN .....	Wigan .....	The number of deaths is far below the average which is 195. Out of 152 deaths registered 82 are children under 5 years of age, 7 cases of Scarlatina, 6 of Diarrhoea, 4 of Typhus, and 10 Inquests.
PREScot .....	St. Helens .....	79, being 28 below the average of the corresponding quarters of the last four years.
..... Prescot .....	.....	The number of deaths (70) is about the general average. The Small Pox has been very prevalent, and 13 cases have proved fatal; 8 deaths out of the 13 have been among the children of the Irish labourers, who are exceedingly careless in not getting them vaccinated.
..... Farnworth .....	.....	Though the number (27) is at least 9 above the average, yet the excess has not been occasioned by any epidemic disease. Should any cause be attempted to be discovered, it would seem that in a district generally very healthy, the late season has been unusually trying to the aged and infirm.
CHORLTON .....	Chorlton upon Medlock .....	The number of deaths registered during the quarter (168) has been rather less than usual. This diminution has been owing partly to the healthfulness of the weather, partly to the activity of trade and increased comfort of the people, but principally, I believe, to the extra mortality of the preceding quarter. Any unusual cause of disease affects principally those who are most prone to sickness, that is, for the most part, it destroys the weakly first, consequently if it be but temporary in its operation, there is likely to be a diminution of mortality after it has been excessive. An excess of the weakly having been destroyed, an unusual proportion of the healthy are left; at such times, therefore, the apparent is greater than the real healthfulness. Thinking it desirable to know the proportion of the inhabitants who avail themselves of medical assistance in time of severe illness, I have for some years past kept a private record of the attendants in cases of fatal disease, an analysis of which gives the following result. Out of 1000 cases of fatal illness recorded there were—
..... Hulme .....	.....	Under the care of regular medical practitioners as private patients.... 585 As dispensary, infirmary, and hospital patients ..... 199 Prescribed for druggists..... 117 Had no medical assistance whatever during the last illness ..... 99
.....	.....	From this it appears that in this district, which contains a smaller proportion of the very poor than most others, nearly one quarter (226 out of 1000) are not attended by authorised practitioners even in their last illness, and many of the rest are so attended for a very short time only preceding death. There is no doubt that the proportion of those who do not obtain regular medical assistance in less severe forms of disease is very much larger. The absence of proper medical attendance in a large proportion of cases renders it exceedingly difficult to procure correct information of the cause of death; impossible, indeed, without great care and labour, and the employment of medical knowledge.
.....	.....	247 deaths. 56 above the average of the corresponding quarters in the five previous years. The population of the district has much increased during these years. 166 deaths have been ascribed to the following causes.—Phthisis, 39; Inflammation of the Lungs, 21; Convulsions, 17; Measles, 14; Hooping Cough, 13, in April and May; Old Age, 11; Congenital Debility, 9; Scarlatina, 9; Premature Births, 8; Hydrocephalus, 6; Dropsy, 6; Violent Deaths, 6; Small Pox, natural, 3; Small Pox, after Cow Pox, 3 males aged 3, 31, and 13 years; and a male aged 30 years not known whether vaccinated or not. Of ages at the time of death 27 have died under 3 months; from 3 months to 1 year, 35; from 1 to 3, 39; from 3 to 5, 15; from 5 to 10, 14; from 10 to 20, 13; from 20 to 30, 23; from 30 to 40, 24; from 40 to 50, 19; from 50 to 60, 12; from 60 to 70, 13; from 70 to 80, 8; from 80 to 90, 5.
MANCHESTER .....	Ancoats .....	274 deaths, of which number 152 are under 5 years.
..... Market Street .....	.....	299 deaths, but independently of the workhouse infirmary and coroner's inquests the number is 157, being an increase of 46 on the corresponding quarter of 1844, and 3 less than that of 1843. The increase over the corresponding quarter of 1844 arises principally from Consumption, Hooping Cough, and Scarlatina.
..... London Road .....	.....	The number of deaths (216) is one-third less than that of the immediately preceding quarter, and below the average of the quarters of the two previous years.
..... Deansgate .....	.....	There has been a remarkable decrease in the number of deaths in my district during the last quarter, and particularly as regards the infant population; though the deaths of infants under five years still constitute more than one-half of the entire number (180) thus there died—
.....	.....	Under 12 months ..... 49 Between 1 and 2 years ..... 20 Between 2 and 3 years ..... 14 Between 3 and 4 years ..... 7 Between 4 and 5 years ..... 3 Total ..... 93
.....	.....	From a comparison of the relative adult and infantile mortality of the town and country districts, and from the observations I have for several years conducted, I am well satisfied that in the agents affecting infant life are to be sought the causes of the high mortality of large towns. A comparison of the tables in the annual reports of the Registrar General will show that the excess of mortality in large towns occurs almost entirely in children under 5 years old, and that whatever may be the ratio of sickness, still the deaths of adults in the same populations are not generally more numerous in towns than in the country.
..... Blackley .....	.....	The number of deaths (18) does not exceed the average, but Small Pox and Measles have been very prevalent during this quarter.
SALFORD .....	Greengate .....	219 deaths, being 13 more than the corresponding quarter of 1844, but about 20 less than the corresponding quarters of 1843 and 1842.
ASHTON .....	Ashton Town .....	248 deaths, being 27 per cent. above the average of the corresponding quarters, increased by the prevalence of Measles 82 cases, Small Pox without previous vaccination 7, Typhus 2, Scarlatina and Hooping Cough 1 each, and 8 by the falling of the arches of a railway viaduct.

SUP. REG. DISTRICT	REG. DISTRICT.	
ASHTON .....	Andenshaw .....	57 deaths, being above the average principally from the increase of population ; no particular epidemic has prevailed.
..... Knott Lanes .....	36 deaths, being about the average of the 2 last corresponding quarters. Diseases of the Respiratory Organs have prevailed, 6 males and 3 females have died from Phthisis, and 9 children under 3 years of age from Measles. There is no epidemic prevailing at present.	
..... Hartshead .....	The mortality (154) is heavier than usual in consequence of Measles and Small Pox, of the former of which there have been 37 and of the latter 11 deaths.	
..... Dukinfield .....	202. An increase of 71 deaths as compared with the corresponding quarter of 1844. Small Pox and Measles have been epidemic. There are 40 deaths from Measles, 22 from Small Pox without previous vaccination, 23 Convulsions, 14 Marasmus, 24 Phthisis, 3 Scarlatina, and 14 Coroner's Inquests.	
..... Stayley .....	28 deaths. About the average, but 4 more than the corresponding quarter in 1844. District healthy.	
..... Oldham below Town ....	The number (172) includes 68 children under 2 years of age.	
..... Middleton .....	The mortality this quarter (53) is less by 10 than the preceding one, and greater by 20 than the corresponding quarter of last year. Although rather above an average return I consider my district to be healthy and free from any particular epidemic.	
..... Royton .....	54 deaths, being 12½ more than the 4 preceding corresponding quarters. This increase is probably owing in part to the transition from the coldness of spring to the warmth of summer ; but I think it is more owing to the influx of people from other parts, occasioned by the increase of manufacturing establishments, arising from the improved state of trade. One-fourth of the deaths are persons in advanced years. Scarlatina, English Cholera, and Inflammatory Disease of the Chest have been prevalent, but not fatal.	
..... Chadderton .....	The number of deaths (43) is 5 fewer than the preceding quarter, and 2 more than the number registered in the corresponding quarter of 1844. The amount of prevalent contagious diseases has not been greater than usual. Amongst the entries are four Coroner's Inquests.	
..... Crompton .....	The number (57) is above the average; 25 were children under 2 years, 15 having died of Consumption, but there is no particular cause for the increase.	
SHEFFIELD .....	Sheffield (Attercliffe).... 33 deaths, being 12 more than the corresponding quarter last year; 8 cases Decay of Nature, 5 Phthisis, 2 Typhus, and 1 Small Pox, Natural.	
HUDDERSFIELD .....	Kirkburton..... 75 deaths, being 7 more than than the corresponding quarter of 1844. The increase is probably owing to infants, 28 under 1 year, 5 of Typhus, 1 of Small Pox. The district is tolerably healthy.	
..... Honley .....	No epidemic has prevailed. 2 have died of Typhus, 7 of Phthisis, and of the 35 deaths 22 were females being 9 more than the males.	
..... Lockwood .....	41 deaths, being above an average. This district has been visited with the Small Pox during the last quarter, 5 cases proved fatal, 4 without previous vaccination; also 2 cases of Measles, and 1 of Hooping Cough.	
..... Golcar .....	The number of deaths (66) is above the average, 15 cases of Phthisis.	
HALIFAX .....	Halifax .....	The number of deaths (175) is 23 above the average of the corresponding quarters of the 7 preceding years.
..... Elland .....	51 deaths, being 10 below the number registered in the corresponding quarter of last year. There are 9 cases of Phthisis and 4 Small Pox.	
..... Brighouse .....	60 deaths; considerably above an average, being 16 more than in the corresponding quarter of last year. Small Pox is general in one part of this district, yet the return includes but 3 fatal cases.	
..... Ripponden .....	The number of deaths (44) is nearly one-half more than in the corresponding quarter of last year, but I know of no circumstance which will account for the increase.	
..... Luddenden .....	41 deaths, being above the average, principally caused by deaths of children from Convulsions, and other persons from old age; district healthy.	
..... Ovenden .....	70 deaths. Small Pox has been prevalent here. Six have died, all unvaccinated.	
BRADFORD .....	East-end .....	The deaths (224) are more by 34 this quarter than in the previous one. Measles has been fatal, 35 deaths, 30 from Phthisis, which is a great increase; 11 from Scarlatina; 5 Typhus; Small Pox only 2 cases.
..... West-end .....	152 deaths, being 3 less this quarter than in the last. Measles has been very prevalent.	
..... Cleckheaton .....	42 deaths. Although Scarlatina, Small Pox, and Measles have been prevalent in some parts of my district there are 21 fewer deaths this quarter than the preceding quarter.	
..... Idle .....	The deaths are a little above the average. This has partly arisen from an influx of labourers occasioned by the making of a railway tunnel through the town. 2 accidental deaths and 4 cases of Small Pox (children) with previous vaccination, have occurred amongst the immigrants. Of the 73 deaths 34 took place in April, and appear to have been much influenced by the extreme cold weather which prevailed about that time.	
..... Thornton .....	The number (72) is about 10 above the average of the preceding 5 years. The increase is principally attributable to the prevalence of Scarlatina and Bronchitis.	
..... Wilsden .....	35, being above an average. 11 Consumption, 2 Scarlatina, 1 Hooping Cough.	
..... Drighlington .....	38 deaths. Scarlatina, Typhus Feyer, and Consumption have prevailed during the quarter.	
..... Horton .....	Measles and Scarlatina have raged dreadfully; 27 fatal cases of the former and 21 of the latter, with a rapidly increasing population, will account for the extraordinary number (174) of deaths.	
..... North Bierley .....	The number (73) is 16 more than in the corresponding quarters, and the increase will be follows,—Pneumonia 2, Scarlatina 10, and Phthisis 4.	
..... Bowling .....	80 deaths, being rather above the average, but I attribute it principally to increase of population.	

SUP. REG. DISTRICT                    REG. DISTRICT.  
**LEEDS** ..... *North* ..... The deaths are 279, at the following ages,—

Under years	1	2	3	5	10	15	20	30	40	50	60	70	80	90	Totals
Male ...	44	23	11	8	5	2	4	11	8	5	8	7	3	2	141
Female ..	27	23	7	18	11	5	3	7	15	5	4	8	5	—	138

From this it will be seen that no fewer than 161 children have died under 5 years. 112 of this number died of Measles, Convulsions, and Pneumonia, viz.,—

	Measles	Convulsions	Pneumonia	Total
Male .....	24	22	14	60
Female .....	24	9	19	52

The remaining cases are,—Consumption 28, Asthma 5, Bronchitis 1, Carditis 2, Croup 2, Dropsy 10, Hooping Cough 6, Hydrocephalus 11, Inflammation of the Bowels 1, Inflammation of the Lungs 11, Laryngitis 1, Marasmus 2, Miscellaneous 32, Paralysis 3, Peritonitis 2, Phthisis 12, Premature Births 10, Scarlatina 3, Small Pox 4, Senectus 12, Tabes Mesenterica 2, and Typhus Fever 7. This district is certainly more healthy now than during last quarter, the return of deaths exhibiting a decrease as compared with that period.

- HUNSLET** ..... *Kirkstall* ..... The deaths (115) are above the average as compared with the corresponding quarters; in 1840, deaths 106; 1841, deaths 97; 1842, deaths 100; 1843, deaths 108, and 1844, deaths 87; but there is no epidemic disease prevailing in the district. Phthisis (26), Pneumonitis and Convulsions (31) appear to have been most fatal.
- LEEDS** ..... *Whitkirk* ..... 17 deaths. 6 cases of *Inflammation*, and 2 of *Small Pox* without previous vaccination.
- HULL** ..... *Myton* ..... The number this quarter (194) exceeds the usual average, but there is no particular disease by which the increase may be accounted for. Between 40 and 50 varied from 60 to 80 years of age and upwards, and about 35 were cases of *Consumption*.
- YORK** ..... *Micklegate* ..... 76 deaths, being above the average, owing partly to 10 Coroner's Inquests. *Scarlatina* carried off 4 in one family within 6 days. Only 3 other cases of the same disease have terminated fatally.
- ..... *Donnington* ..... 23 deaths. Above the average. *Scarlatina*, Small Pox, Measles, Influenza, and disorders of the respiratory organs, have been prevalent. The district is more healthy at present.
- GATESHEAD** ..... *Winlaton* ..... 43, being above an average, but from no particular epidemic.
- TYNEBOMOUTH** ..... *Tynemouth* ..... In the corresponding quarter of last year the deaths amounted to 83, 1 less than the present return. A few cases of *Typhus* and *Scarlatina*.
- ..... *North Shields* ..... District very healthy, the number of deaths (71) being rather below the average.
- ..... *Blyth* ..... The number of deaths (34) is below the average.
- ..... *Wallsend* ..... The number of deaths (15) is few, the district being unusually healthy at present.
- NEWCASTLE UPON TYNE** ..... { *All Saints* ..... My district continues particularly healthy, the deaths (105) being 30 below the average of the same quarter taken from the commencement of Registration
- KENDAL** ..... *Kendal* ..... 82 deaths. *Small Pox* has been prevalent, 5 cases having occurred.
- ..... *Milnthorpe* ..... 34 deaths, being below the average of the corresponding quarters of the last 7 years.
- ABERGAVENNY** ..... *Aberystwith* ..... 104 deaths. The most prevalent diseases during the last quarter were Pneumonia, Convulsions, and Phthisis, of which there were 48. 59 have died under the age of 5 years.
- ..... *Blaenavon* ..... The number of deaths (32) are less than the preceding quarter. 1 case of *Typhus*, 1 of *Hooping Cough*, and 3 Coroner's Inquests, no epidemic disease prevailing.
- MERTHYR TYDFIL** *Upper* ..... The deaths (168) are still above the average although much decreased during the past quarter. A few cases from *Measles* and *Small Pox* have occurred, but not sufficient to account for the total increase, nor the average number of previous quarters.
- ..... *Gellygore* ..... 60 deaths, being 20 above the average but from no particular epidemic.
- NEWTOWN** ..... *Llanidloes, Lower* ..... The number of deaths is 40, being above the average of last quarter. 20 have died from *Scarlatina*, 2 from *Measles*, and the remainder from *Consumption* and other causes. I have had only 1 Coroner's Inquest in my quarter, which was caused by blasting a rock at the ore works.
- WREXHAM** ..... *Hope* ..... The number (56) is above the general average. *Scarlatina* has been prevailing.
- ..... *Wrexham* ..... The number of deaths (75) is about the general average, and the causes are similar to the last quarter. *Scarlatina* is still prevailing. Of that disease 5 have died; only 1 death from *Typhus*, 2 from *Fever*, 4 *Croup*. The district may be considered healthy. The number of deaths in the last five corresponding quarters—
- |        |      |      |      |      |      |
|--------|------|------|------|------|------|
| Years  | 1840 | 1841 | 1842 | 1843 | 1844 |
| Deaths | 78   | 71   | 54   | 73   | 87   |
- HOLYWELL** ..... *Holywell* ..... 107 deaths, being an increase of 28 over the corresponding quarter of 1844. It may be accounted for by the greater number of deaths of persons in advanced life, together with *Hooping Cough* and *Convulsions* in children, and also *Consumption*, all influenced by atmospherical alternations.
- ..... *Flint* ..... 60 deaths. *Scarlatina* and *Hooping Cough* have been very prevalent; 9 fatal cases of the first and 8 of the latter having occurred, principally to children under 4 years of age.
- ANGLESEY** ..... *Holyhead* ..... 48 deaths; being an increase of 18 over the previous quarter, owing to *Scarlatina* and *Typhus* prevailing in the district. 13 died of *Scarlatina* and 4 of *Typhus*.

ANNUAL SERIES.  
4

1845.—No. 3.

# A QUARTERLY TABLE

OF THE

## Mortality

IN A

# HUNDRED AND FIFTEEN OF THE DISTRICTS

OF

## ENGLAND

(INCLUDING THE PRINCIPAL TOWNS.)

SHEWING

THE NUMBER OF DEATHS REGISTERED IN THE FOUR QUARTERS OF 1844;

THE NUMBER OF DEATHS IN THE SEPTEMBER QUARTER 1845;

AND THE AVERAGE NUMBER OF DEATHS IN THE FIVE SEPTEMBER QUARTERS 1840—4.

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## STATE OF THE PUBLIC HEALTH IN THE PAST QUARTER.

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"The Quarterly Returns are obtained from 115 Districts, sub-divided into 576 Sub-Districts. *Thirty-four* Districts are placed under the Metropolis, and the remaining 81 Districts comprise, with some agricultural Districts, the principal towns and cities of England. The population was 6,578,912 in 1841."

The public health, during the past Quarter ending September 30th, was good; for the deaths, notwithstanding the increase of the population, were only 36,008, or 1870 less than the average of the corresponding quarters of five former years (1840—44). This favourable state of things was general, and was observed in the majority of the town districts of the Kingdom. The southern coast has been unusually healthy through the summer; the deaths in Brighton, on an average 262, were only 219; in the Isle of Wight, the deaths, on an average 183, were 121; in the Portsea Island (Portsmouth), the deaths, on an average 299, were 239; in Exeter, the deaths, on an average 200, were 160; in Plymouth, the deaths, on an average 224, were 191; in Penzance, the deaths, on an average 292, were only 166 in the Quarter ending September, 30th 1845.

The mortality has been below the average in every district round the south-eastern and southern coast, from London to the Land's End; yet the average mortality itself is low throughout that part of the country. In the last Report, (p. *l.*) it will be seen that only 1.9 per cent., or 1 in 52, of the inhabitants die annually in the south-eastern and south-western divisions, while the annual mortality of the whole Kingdom is 1 in 45.

In Austria, including the northern parts of Italy, the annual mortality is 1 in 33;\* and the mortality throughout Italy is not less than in Austria. In the cities of Italy the mortality, according to official documents, varies from 3 to 4 per cent. In France the annual mortality is 1 in 42.

The mortality was *above* the average of the corresponding quarter in the following districts:—Northampton, Bedford, Yarmouth, Kidderminster, Leicester, Rochdale, Halifax, Bradford, Pontypool, Newtown, Holywell, and Anglesey.

Leicester is an unhealthy district; the average mortality is high; the average number of deaths in the Summer quarter is 325, and in the last quarter no less than 457 deaths were registered. The Registrar of the East District remarks—"Since that time [1840] vaccination seems to have been totally neglected; hence "the great increase of deaths for this and the preceding quarter. I have registered 73 DEATHS FROM NATURAL "SMALL-POX, and only 4 persons that had been vaccinated, and those only very doubtful. *Measles* has been "very fatal; I have registered 57 deaths from that epidemic."

The fatality of *Small-Pox* is mentioned by the Registrars of Yarmouth, Northampton, Wolverhampton, Birmingham, Coventry, Basford, Liverpool, Bury, Prescott, and other districts, in their remarks.

METROPOLIS.—76 deaths from *Small-Pox* were registered in the quarter: the average is 130. In the week ending September 13th, no death from Small-Pox was registered. Such an exemption has never before been observed since the new Tables were published. *Measles* has been epidemic; 688 deaths have occurred from that disease. *Hooping-cough* has been prevalent. Of *Scarlatina* only 194 persons, chiefly children, died; the average is 476. Only 2 deaths from privation were returned; the average of the quarter is 5.

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\* Reg. Gen. 6th Report, 8vo. pp. xxxix.

The Weather presented this remarkable peculiarity—that the mean temperature of every week of the thirteen was below the average. The mean temperature of the quarter at Greenwich was  $57^{\circ} 1$ ; which is nearly 4 degrees below the average of the season. The month of August was  $5^{\circ}$  below the temperature of the same month on an average of 25 years. Seven inches of rain fell at the Observatory. The results varied considerably in other parts of the country. (See page 8.)

The temperature of Summer last year (1844) was  $2^{\circ}$  below the average: but the state of the crops, and particularly of the potatoe crop in 1845, and its possible effects on the public health, render a comparison of the whole meteorological phenomena of 1844 and 1845 important. This comparison will be facilitated by the annexed Table, compiled from the Greenwich observations.

		THERMOMETERS												WIND												
		Mean				Dew Point				Self-Registering				Pressure in lbs. on the square foot												
		Mean of 936 observations		Mean of 936 results		Highest in the sun		Lowest on the grass		In the water of the Thames at Greenwich by the Self Registering Thermometer read at 9 o'clock.		Difference between the dew point temperature and air temperature		General direction												
1845	Quarters ending	Years	Mean height of the Barometer, from 936 observations, corrected and reduced to 32 deg. Fahrenheit	Highest during any week	Lowest during any week	Highest on each day, 78 observations	Lowest on each day, 78 observations	Difference	Mean of 936 observations	Mean of 936 results	During the quarter	Mean of 91 observations	During the quarter	Mean of 91 observations	Mean of 936 differences	Mean amount of Cloud, 0-10	Mean amount of Horizontal movement of the air in each week	Rain in inches (21 days)								
March ...	{ 1844	29.705	57.6	18.6	43.7	33.4	10.4	38.6	34.9	83.6	52.3	6.3	27.1	..	..	3.8	7.9	0.8	*	-4.3	..	17.0	0.63	1238	7.2	7.1
	{ 1845	29.788	59.0	8.8	40.0	30.9	9.1	35.4	31.7	68.8	49.6	6.0	23.8	37.2	.36.4	3.7	7.7	0.9	-3.5	..	..	13.0	0.6	1046	7.5	4.9
June ....	{ 1844	29.919	83.3	34.0	65.4	45.5	19.9	55.0	47.2	111.7	88.6	21.6	37.0	..	..	7.8	15.4	1.6	+1.9	..	..	10.0	0.36	948	5.5	2.3
	{ 1845	29.731	83.2	29.5	60.5	44.2	16.3	51.9	46.5	115.6	80.0	12.2	36.3	54.9	54.1	5.4	12.0	0.9	-1.1	..	..	12.0	0.5	956	6.4	4.8
September	{ 1844	29.762	85.1	40.6	66.9	51.4	15.5	58.9	53.6	115.0	90.0	30.0	43.5	..	..	5.3	11.8	0.8	-2.0	..	..	9.0	0.29	870	6.3	5.2
	{ 1845	29.768	80.5	35.3	65.0	50.1	14.9	57.1	52.3	111.6	87.1	22.5	44.2	61.0	60.6	4.8	10.7	0.9	-3.8	..	..	9.0	0.4	917	6.9	7.0

\* In reading the twentieth column it will be borne in mind that + is read "HIGHER," and — "LOWER" than the average.

SUP. REG. DISTRICT.	REG. DISTRICT.	
BIRMINGHAM .....	St. Thomas .....	This district is very healthy, there having been 45 less deaths than in last quarter, and 20 less than in the corresponding quarter of last year.
.....	Lady Wood .....	The number of deaths this quarter is 14 less than in the preceding quarter, and 11 less than in the corresponding quarter last year. There have been 11 deaths from Small Pox, (9 of the persons had not been vaccinated) 16 from Consumption, 6 Inflammation of the Lungs, 1 Scarlatina, 6 Premature Birth; there were 23 from different causes under 12 months old.
COVENTRY .....	Holy Trinity.....	77 deaths is about the average rate of mortality in my district. Of the number there were 31 under 2 years of age, 8 died of Small Pox, and in every case without vaccination.
LEICESTER .....	East .....	The number of deaths (304) exceeds the preceding quarter by 24, and is the greatest number registered since the winter quarter of 1840, in which quarter 368 deaths were registered, owing to the prevalence of <i>Small Pox</i> . Since that time vaccination seems to have been totally neglected, hence the great increase of deaths for this and the preceding quarter. I have registered 73 deaths from natural <i>Small Pox</i> , and only 4 of persons that had been vaccinated, and those cases very doubtful. <i>Measles</i> has been very fatal; I have registered 57 deaths from that epidemic. In other respects the district is very healthy. <i>Small Pox</i> and <i>Measles</i> still prevail.
.....	West .....	There is an increase of 31 deaths over the corresponding quarter of 1844. <i>Measles</i> are prevalent, 34 of which have died. <i>Small Pox</i> is on the decline. In other respects my district is healthy.
LINCOLN .....	Home .....	This is the lowest return I have yet made.
NOTTINGHAM ....	St. Ann.....	The present return shows a deficiency of 19 in the average number of deaths, and with only one exception (that of 1838) this has been the most healthy summer quarter since the Registration Act came into operation. The corresponding quarter of last year numbered 111 deaths, being an overplus of 43 over the one just ended. I attribute the decrease in a great measure to the facility there is of obtaining medical aid, without any recommendation, in all cases of emergency. The average of life in the 41 males was 30 5-12 years, and in the 27 females 22 7-12 years, being a very great increase in the ages of those who died in Saint Ann's district since the published report of the Commissioner's appointed to enquire into the sanitary condition of large towns and populous places.
.....	Byron .....	My district is very healthy, there being 20 less deaths this last quarter than the average, viz., 77.
BASFORD .....	Bulwell .....	No particular complaint has prevailed in the district this quarter. The return is below the average.
.....	Ilkeston .....	The mortality this quarter is below the average, notwithstanding the prevalence of <i>Small Pox</i> in one part of the district. 7 cases of <i>Small Pox</i> have been registered.
.....	Greasley.....	The deaths this quarter are rather below the average, although <i>Scarlatina</i> has been prevalent, from which disease 15 have died, and 11 of <i>Consumption</i> .
.....	Basford.....	Although Fever has prevailed to a considerable extent in a part of my district (Beeston), nevertheless the number of deaths (56) is much below the average.
STOCKPORT .....	Stockport (First).....	The number of deaths is much below the average. My district is very healthy.
.....	Hyde.....	Deaths below average. District healthy.
.....	Heaton Norris .....	81 deaths. This is below the average, being 1 less than the corresponding quarter of last year, and 21 less than the antecedent one. I have had only 1 well-marked case of fever, and should pronounce the district healthy but for the existence of that fatal epidemic, <i>Small-pox</i> . This quarter I have to report 3 fatal cases, without previous vaccinations, and in this part of the country such, it appears, has been its stealthy growth, that I fear another quarter will report worse than this.
.....	Hazelgrove .....	11.—The lowest number I have ever had in one quarter, and considerably below the average. This I attribute to the healthiness of the season, the absence of all epidemics and endemics peculiar to this district, and to the increased comforts of the people.
MACCLESFIELD ....	Sutton .....	Sutton I have always considered a very healthy district. The number of deaths in the present quarter being 34, is the least number since the commencement of the Registration Act, and is less by 7 than the corresponding quarter of last year, and full 30 per cent. below the average, although in the midst of a rapidly increasing population. Perhaps this is partly owing to the increased comforts of the labouring classes, employment in the various branches of the silk trade being very plentiful, and the wages moderate; and my conviction is, that were it not for the abounding temptations to drunkenness in our manufacturing districts, our public health would soon become a national blessing.
.....	Bollington .....	The number of deaths registered this quarter being in number only 42, is very much below the average. 12 were cases of <i>Consumption</i> , chiefly among the young.
GREAT BOUGHTON	Cathedral Division .....	24 cases less than last quarter. <i>Small-pox</i> has almost disappeared during the latter part of this quarter. There have, however, been two cases of death from that cause during the quarter, neither having been vaccinated.
LIVERPOOL .....	St. Martin .....	Above the average, Diarrhoea and Scarlatina having been prevalent during the quarter. There are 19 deaths from <i>Small-pox</i> , arising, in my opinion, from the carelessness of parents not getting their children vaccinated. Only one out of the number had undergone that operation.
.....	Dale Street .....	291 deaths, or 74 more than in the preceding quarter. The cause will appear from the following diseases which prevailed:—Diarrhoea, Inflammation of the Lungs, Convulsions, and Hydrocephalus.
.....	St. Thomas .....	The deaths this quarter are 22 below the corresponding quarter of last year. Of Fever there are 15, Disease of the Bowels, &c. 50, Disease of the Lungs, &c. 44, Dropsy 5, Hydrocephalus 9, <i>Small-pox</i> 15, Hooping Cough 6.
.....	Mount Pleasant .....	Deaths, 340, which are about the average number. There are 18 cases of Scarlatina and 15 of Typhus. 4 cases of the former occurred in one family, and proved fatal within 8 days; the oldest 7½ years, the youngest 14 months. 44 cases of Phthisis.

SUP REG. DISTRICT.	REG. DISTRICT.	
ST. THOMAS .....	Hearstree .....	No assignable cause for the decrease in the number of deaths this quarter. The gangrene of the Foot incident to advanced age 1, Apoplexy 2, Dropsy 1, Disease of the Brain 1, Disease of the Kidney 1, Cancer 1, Liver Disease with Hydrothorax 1, Inflammation of the Lungs 2, Consumption 1, Liver Disease 1; total 12.
Alphington .....	Alphington .....	The return (15) is about the usual average, although 8 of the number were children, 6 under 1 year, and 2 under 2 years of age. Measles is still prevalent; 3 cases proved fatal. In other respects my district seems to be healthy.
Woodbury .....	Woodbury .....	5 deaths less than the corresponding quarter of last year; district healthy.
Broadclift .....	Broadclift .....	The district is very healthy.
PLYMOUTH .....	Saint Andrew .....	The number returned (131) is the average mortality of the summer quarter in this district; the principal causes of death have been, Consumption 22; Diarrhoea 11, and Small Pox 7, of which 3 were after vaccination.
Charles the Martyr .....	Charles the Martyr .....	The mortality is greatly below the corresponding quarter of 1844, the deaths being then 85, now only 60. 5 cases of Hooping Cough, and 1 of Small Pox (unvaccinated), have been registered this quarter; nothing else of an epidemic character has come under my notice.
REDRUTH .....	Redruth .....	The deaths in my district are 5 below the average.
Camborne .....	Camborne .....	The average of the September quarter is 59.
PENZANCE .....	St. Ives .....	Much below the average.
Marazion .....	Marazion .....	The number of deaths is much below the average, and the district has been particularly healthy.
BATH .....	Lyncombe, &c .....	4 deaths from Small Pox have occurred in my district, neither of which received any medical advice; the parents preferred letting the disease take its course. Measles rather prevalent; Pneumonia following in several cases which carried them off on the 7th or 10th day.
Bathaston .....	Bathaston .....	About an average number, but 10 more than in the corresponding quarter of last year. 4 deaths from Measles. Ages as follows—4 under 1 year, 8 between 1 and 7, 1 aged 19 years, 3 between 20 and 30, 3 between 30 and 40, none between 40 and 50, 6 between 60 and 70, 5 between 70 and 80, 4 above 80, viz., 88, 88, 84 and 81.
BRISTOL .....	St. James .....	A very much smaller number of deaths than usual.
St. Paul .....	St. Paul .....	The lowest number of deaths registered in any quarter for several years past.
CLIFTON .....	Ashley .....	The above number is the same as the corresponding quarter, and below the general average. 2 cases of Typhus. The district healthy.
Westbury, &c .....	Westbury, &c .....	This quarter has been the most healthy ever known, only 13 having died within the quarter, out of a population of nearly 8,000.
St. George .....	St. George .....	The number of entries has been this quarter increased by 12 inquests, all held in previous quarters. This will leave 46, being exactly the quarterly average for 8 years, and 19 per cent. below the corresponding quarter of last year. The number of deaths from Measles 3, Diarrhoea 4, and Cholera 2, the latter both certified.
STROUD .....	Stroud .....	33 deaths, which is 17 less than the preceding quarter; the district in a healthy state.
Bisley .....	Bisley .....	The united ages of 12 of the 30 returned are 902 years.
Minchinhampton .....	Minchinhampton .....	I beg to add the following observations:—The population of this district in 1841 was 4,887. I registered no death from the 4th September till 29th September, 1845. The deaths in the corresponding quarter of 1843, were 31. In the corresponding quarter of 1844, were 24.
CHELTENHAM .....	Cheltenham .....	(107) the number of deaths registered during this quarter is very much below the average of the entire number registered since the Act came into operation, and is also below the average of the numbers registered in the corresponding quarter in each year. The numbers were as follow:—
		1837 1838 1839 1840 1841 1842 1843 1844 138 134 112 177 151 179 147 150      average 149½
		Total number registered in the previous 16 quarters 5469, being an average of 170 <sup>29</sup> <sub>33</sub> in each quarter.
SHREWSBURY .....	St. Mary .....	Deaths on the decrease, 35 under the average; last quarter also considerably under the average. District very healthy; no appearance of epidemic or contagious diseases.
KIDDERMINSTER .....	Kidderminster .....	The above number of deaths is below the average. Nearly one-third are cases of Scarletina, which has been prevalent in the more populous parts of the district since 30th March last.
DUDLEY .....	Tipton .....	The number of deaths this quarter (95) is 25 less than the preceding one. Out of that number there have been 23 inquests.
Sedgley .....	Sedgley .....	111 deaths, which is much below the average of the four preceding quarters. Out of this number 7 have died from Typhus, Measles 6, Phthisis 8, Cholera 1, Diarrhoea and Diarrhoea Convulsions 6, and Enteritis 4.
Dudley .....	Dudley .....	The number of deaths this quarter is about equal with the June quarter. I have no particular remark to make.
WALSALL .....	The Borough .....	There is an increase of 10 deaths from last quarter, but no particular complaint prevalent.
Darlaston .....	Darlaston .....	The deaths in my district this quarter are much below the average, and 23 less than last quarter. The district seems to be generally healthy.
WOLVERHAMPTON .....	Eastern .....	During the quarter Small-pox and Measles have been very prevalent in my district. I have registered 22 cases of Small-pox and 22 of Measles.
WOLSTANTON .....	Burslem .....	9 below the average of the last four autumnal quarters. The return includes 1 case of Small-pox and 5 of Diseases of the Bowels. Diseases of the Respiratory Organs have (as is generally the case here) caused more deaths than diseases of any other class.
BIRMINGHAM .....	St. George .....	The number of deaths in my district this quarter is 68 less than in the corresponding quarter of 1844. 24 have died of Consumption, 12 of Dropsy, 6 of Typhus, 7 Inflammation of Bowels, 5 Inflammation of Lungs and Chest, 2 Small-pox (without previous vaccination), 1 after vaccination, 11 inquest cases. My district at this time is in a very healthy condition.
St. Paul .....	St. Paul .....	This district is at this time in a healthy state; the deaths this quarter are about 18 below the average. Only 2 cases of Small Pox have occurred, one before, the other after, vaccination.
St. Peter .....	St. Peter .....	The number of deaths this quarter is the lowest I have registered in any one quarter since the passing of the Act; very much below the average. Of the 58 registered, 22 have died under 1 year old. 5 cases of Small Pox without previous vaccination—this disease appears to be on the decrease in my district.

QUARTERLY METEOROLOGICAL TABLE,

*Compiled from the Weekly Tables furnished to the Registrar General by the Astronomer Royal.*

*Deaths registered in the Metropolis from Small Pox, Measles, Scarletina, Hooping Cough, Typhus, Diarrhea, Dysentery and Cholera, Influenza, Consumption, and other diseases of the Lungs; the numbers at each age, & the total deaths + (except violent and sudden) in each of the 13 weeks ending Sep. 27, 1845.*

In reading the column, it will be borne in mind that + is read "HIGHER," and — is read "LOWER," than the average.

The Ages of 5 were not specified in the Table.  
Inquests are held on violent and sudden Deaths which are returned irregularly.

METEOROLOGICAL OBSERVATIONS FOR THE SEPTEMBER QUARTER, 1845.

Year 1845.	Mean height of Barometer cor- rected and re- duced to 32° Inches	'THERMOMETERS						WIND			Rain in Inches	Evapora- tion in Inches
		Self Registering			Wet Bulb		Average Force	General Direction				
		Mean of 3 Daily Observations	Highest	Lowest	Difference	Mean of daily Observations	Mean of daily Observations	Average Cloudiness				
<b>BIRMINGHAM</b> <i>William Onion, Esq., Curator, &amp;c.</i>	July August Sep.	29.457 29.406 29.449	61.06 59.51 57.03	78.0 72.0 76.5	45.0 43.5 36.0	33.0 28.5 40.5	59.68 58.08 55.32	{ SW. NW. NE. { ESE. SW. NE. { SSE. NW. SW. { E. SE.	18.5 19.25 14.5	21 24 14	4.540 4.530 2.715	3.480 3.230 2.650
	July August Sep.	§ 29.932 29.883 29.931	60.25 58.99 55.02	66.80 65.61 61.50	53.00 51.32 47.43	13.80 14.29 14.07	60.09 58.78 54.80		1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	29.849 29.811 29.838	" " "	70.0 68.0 71.0	40.0 41.0 24.0	30.0 27.0 47.0	58.2 56.1 53.7		55.5 54.45 53.12	55.5 54.45 53.12	55.5 54.45 53.12	55.5 54.45 53.12
<b>BRIGHTON</b> <i>J. O. N. Rutter, Esq.</i>	July August Sep.	29.932 29.883 29.931	60.25 58.99 55.02	66.80 65.61 61.50	53.00 51.32 47.43	13.80 14.29 14.07	60.09 58.78 54.80	{ Moderate 29 days { Strong 19 " " { Moderate 25 " { Strong 8 " { Moderate 5 " { Strong 17 " { Strong 6 "	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	29.838 29.811 29.838	" " "	70.0 68.0 71.0	40.0 41.0 24.0	30.0 27.0 47.0	58.2 56.1 53.7		55.5 54.45 53.12	55.5 54.45 53.12	55.5 54.45 53.12	55.5 54.45 53.12
	July August Sep.	29.83 29.81 29.74	" " "	73.0 71.0 67.0	42.0 42.0 28.0	31.0 29.0 39.0	6.0 5.0 5.0		6.0 5.0 5.0	6.0 5.0 5.0	6.0 5.0 5.0	6.0 5.0 5.0
<b>CARLISLE, HARRABY</b> <i>Jos. Atkinson, Esq.</i>	July August Sep.	29.83 29.81 29.74	" " "	73.0 71.0 67.0	42.0 42.0 28.0	31.0 29.0 39.0	6.0 5.0 5.0	{ N. NE. SW. & S. { N. NE. & W. { E. ENE. & W.	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	29.83 29.81 29.74	" " "	73.0 71.0 67.0	42.0 42.0 28.0	31.0 29.0 39.0	6.0 5.0 5.0		6.0 5.0 5.0	6.0 5.0 5.0	6.0 5.0 5.0	6.0 5.0 5.0
	July August Sep.	29.83 29.81 29.74	" " "	73.0 71.0 67.0	42.0 42.0 28.0	31.0 29.0 39.0	6.0 5.0 5.0		6.0 5.0 5.0	6.0 5.0 5.0	6.0 5.0 5.0	6.0 5.0 5.0
<b>DERBY</b> <i>Mr. Davis.</i>	July August Sep.	** 29.90 29.87 29.87	** 59.9 58.5 55.9	69 69 65	48 49 42	21 20 23	59.5 58.2 55.3	{ ** 54. { 52.3 { 50.8	2.3 2. 2.4	2.3 2. 2.4	2.3 2. 2.4	2.3 2. 2.4
	July August Sep.	** 29.90 29.87 29.87	** 59.9 58.5 55.9	69 69 65	48 49 42	21 20 23	59.5 58.2 55.3		59.5 58.2 55.3	59.5 58.2 55.3	59.5 58.2 55.3	59.5 58.2 55.3
	July August Sep.	** 29.90 29.87 29.87	** 59.9 58.5 55.9	69 69 65	48 49 42	21 20 23	59.5 58.2 55.3		59.5 58.2 55.3	59.5 58.2 55.3	59.5 58.2 55.3	59.5 58.2 55.3
<b>FALMOUTH</b> <i>Lovell Squire, Esq.</i>	July August Sep.	29.841 29.848 29.800	61.6 58.8 57.7	74 74 70	48 44 37	26 30 33	61.2 57.7 57.1	{ 68.2 { 56.2 { 55.6	1.6 1.7 1.6	1.6 1.7 1.6	1.6 1.7 1.6	1.6 1.7 1.6
	July August Sep.	29.841 29.848 29.800	61.6 58.8 57.7	74 74 70	48 44 37	26 30 33	61.2 57.7 57.1		68.2 56.2 55.6	68.2 56.2 55.6	68.2 56.2 55.6	68.2 56.2 55.6
	July August Sep.	29.841 29.848 29.800	61.6 58.8 57.7	74 74 70	48 44 37	26 30 33	61.2 57.7 57.1		68.2 56.2 55.6	68.2 56.2 55.6	68.2 56.2 55.6	68.2 56.2 55.6
<b>HELSTON</b> <i>M. P. Moyle, Esq.</i>	July August Sep.	29.855 29.803 29.824	" " "	66.6 63.9 60.7	54.7 53.8 49.7	11.9 10.1 11.0	62.7 60.3 56.7	{ NW. { NNW. { SE. E. & W.	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	29.855 29.803 29.824	" " "	66.6 63.9 60.7	54.7 53.8 49.7	11.9 10.1 11.0	62.7 60.3 56.7		62.7 60.3 56.7	62.7 60.3 56.7	62.7 60.3 56.7	62.7 60.3 56.7
	July August Sep.	29.855 29.803 29.824	" " "	66.6 63.9 60.7	54.7 53.8 49.7	11.9 10.1 11.0	62.7 60.3 56.7		62.7 60.3 56.7	62.7 60.3 56.7	62.7 60.3 56.7	62.7 60.3 56.7
<b>LIVERPOOL</b> <i>John Hartnup, Esq.</i>	July August Sep.	57.844 57.08 54.14	71 71 69	44. 43.75 32.5	27. 27.25 36.5	53.53 53.94 49.12	53.53 53.94 49.12	{ NE. & NW. { NW. { NE.	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	57.844 57.08 54.14	71 71 69	44. 43.75 32.5	27. 27.25 36.5	53.53 53.94 49.12	53.53 53.94 49.12		53.53 53.94 49.12	53.53 53.94 49.12	53.53 53.94 49.12	53.53 53.94 49.12
	July August Sep.	57.844 57.08 54.14	71 71 69	44. 43.75 32.5	27. 27.25 36.5	53.53 53.94 49.12	53.53 53.94 49.12		53.53 53.94 49.12	53.53 53.94 49.12	53.53 53.94 49.12	53.53 53.94 49.12
<b>NEWCASTLE</b> <i>Geo. Nares, Esq.</i>	July August Sep.	29.942 29.891 29.959	75 72 70	43 46 30	57 56 52	1.79 1.68 2.13	1.79 1.68 2.13	{ W. { NW. { NE.	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	29.942 29.891 29.959	75 72 70	43 46 30	57 56 52	1.79 1.68 2.13	1.79 1.68 2.13		57 56 52	57 56 52	57 56 52	57 56 52
	July August Sep.	29.942 29.891 29.959	75 72 70	43 46 30	57 56 52	1.79 1.68 2.13	1.79 1.68 2.13		57 56 52	57 56 52	57 56 52	57 56 52
<b>YORK</b> <i>John Ford, Esq.</i>	July August Sep.	29.942 29.891 29.959	75 72 70	43 46 30	57 56 52	1.79 1.68 2.13	1.79 1.68 2.13	{ W. { NW. { NE.	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13	1.79 1.68 2.13
	July August Sep.	29.942 29.891 29.959	75 72 70	43 46 30	57 56 52	1.79 1.68 2.13	1.79 1.68 2.13		57 56 52	57 56 52	57 56 52	57 56 52
	July August Sep.	29.942 29.891 29.959	75 72 70	43 46 30	57 56 52	1.79 1.68 2.13	1.79 1.68 2.13		57 56 52	57 56 52	57 56 52	57 56 52

**TABLE**  
OF THE  
**MORTALITY**

In 115 of the Districts of England (including the principal Towns): shewing the Number of Deaths Registered in the 4 quarters of 1844, and in the quarter ending September 30th, 1845. Also the average Number of Deaths in the 5 quarters, ending September 30th, 1840—1844.

Parts of Divisions and Districts	Popu-lation 1841	Deaths Registered in the 4 Quarters of 1844, ending				1840—44		Deaths in the Summer Quarter, ending Sept. 30th, 1845.	Parts of Divisions and Districts	Popu-lation 1841	Deaths Registered in the 4 Quarters of 1844, ending				1840—44		Deaths in the Summer Quarter, ending Sept. 30th, 1845.								
						Quarterly * Average										Quarterly * Average									
		March 31st	June 30th	Sept. 30th	Dec. 31st	Of Five Years	Of Five Sept. Quarters				March 31st	June 30th	Sept. 30th	Dec. 31st	Of Five Years	Of Five Sept. Quarters									
Total .....	6578912	46041	38925	38784	43958	41264	37878	36008	Shrewsbury .....	21529	163	140	109	166	142	131	91								
Ditto, exclusive of Metropolis ..	4663808	32570	27454	26959	30302	29316	26801	25166	Worcester .....	27130	214	129	167	150	160	155	106								
Aggregate Deaths in the Subjoined Districts of the 11 Divisions of England									Kidderminster .....	29408	242	169	167	190	162	142	165								
1 Metropolis .....	1015104	13471	11471	11825	13656	11948	11077	10842	Dudley .....	86028	549	468	466	697	528	472	457								
2 South Eastern .....	218181	1391	1190	1124	1329	1179	1106	869	Walsall .....	34274	197	174	168	179	205	182	158								
3 South Midland .....	155225	1133	958	840	911	879	782	804	Wolverhampton .....	80722	542	457	526	491	524	491	439								
4 Eastern .....	128921	932	735	680	886	758	716	657	Wolstanton .....	32669	248	202	169	208	211	182	164								
5 South Western .....	327869	2109	1725	2063	1983	1851	1757	1366	Birmingham .....	138187	118	869	932	963	912	893	694								
6 Western .....	775221	5458	4598	4669	5117	4821	4474	3798	Aston .....	50928	349	298	317	327	290	282	196								
7 North Midland .....	234771	1638	1419	1309	1482	1473	1346	1349	Coventry .....	31028	234	199	231	241	208	198	188								
8 North Western .....	1530460	11388	9387	9610	10195	10739	9821	9492	<b>N. Midland Division</b>																
9 York .....	691181	4192	4045	3751	4321	4181	3774	3914	Leicester .....	50932	415	344	339	387	364	325	457								
10 Northern .....	328902	1967	1717	1616	1661	1911	1779	1601	Lincoln .....	36110	242	180	143	160	192	163	154								
11 Welsh .....	273127	2052	1680	1297	1517	1522	1246	1316	Nottingham .....	53080	387	327	394	381	367	388	285								
Districts									Basford .....	59634	328	359	233	344	322	263	272								
Metropolis									Derby .....	35015	266	209	200	210	228	208	181								
West Districts .....	301326	1975	1802	1822	1987	1758	1644	1559	<b>N. Western Division</b>																
North Districts .....	366303	2480	2191	2293	2353	2188	2073	1829	Stockport .....	85672	483	418	462	474	537	479	398								
Central Districts .....	374759	2547	2044	2190	2491	2307	2149	2075	Macclesfield .....	56018	398	338	283	344	374	310	255								
East Districts .....	393247	2975	2433	2547	2999	2596	2499	2637	Gt. Broughton, inc. Chester .....	49085	345	237	208	263	298	247	228								
South Districts .....	479469	3494	3001	2973	3826	3099	2713	2742	Liverpool .....	223054	1996	1547	1945	2131	1926	1910	1962								
<b>S. Eastern Division</b>									West Derby, (adj. Liverpool) .....	88652	576	526	602	814	582	576	633								
Maidstone .....	32310	218	202	160	204	186	163	124	Blackburn .....	75091	513	461	474	578	478	400	382								
Brighton .....	48742	329	219	233	303	270	262	219	Preston .....	77189	506	464	450	429	525	458	458								
Isle of Wight .....	42547	207	191	187	235	194	183	121	Rochdale .....	60577	480	406	316	329	391	321	363								
Portsea Island .....	53036	344	363	345	341	312	299	239	Bury .....	77496	614	495	380	445	499	391	385								
Winchester .....	23044	170	117	100	153	121	114	89	Bolton .....	97519	678	616	534	621	656	563	594								
Windsor .....	20502	123	98	99	93	96	85	77	Wigan .....	66032	641	486	353	370	449	370	316								
<b>S. Midland Division</b>									Prescott .....	43739	259	183	174	237	250	195	211								
St. Albans .....	17051	109	73	100	94	82	76	85	Chorlton .....	93736	622	540	653	709	616	608	607								
Wycombe .....	34150	238	229	180	198	192	163	141	Manchester .....	192408	1541	1260	1441	1653	1531	1529	1366								
Oxford .....	19701	108	77	90	103	100	100	89	Salford .....	70228	502	417	417	525	495	489	438								
Northampton .....	28103	211	224	162	181	172	158	182	Ashton .....	173964	1244	993	918	1173	1133	970	896								
Bedford .....	31767	237	200	175	203	182	180	182	<b>York Division</b>																
Cambridge .....	24453	230	155	133	132	151	135	125	Sheffield .....	85076	579	464	494	600	556	498	445								
<b>Eastern Division</b>									Huddersfield .....	107140	607	572	447	537	549	460	471								
Colchester .....	17790	136	105	124	122	108	101	89	Halifax .....	109175	670	606	458	596	581	476	565								
Ipswich .....	25254	174	161	135	142	141	119	119	Bradford .....	132164	949	959	861	833	824	760	993								
Norwich .....	61846	426	342	306	465	377	351	306	Leeds & Hunslet .....	168667	1088	936	997	1105	1096	1037	944								
Yarmouth .....	24031	196	127	115	164	131	122	143	Hull .....	41130	327	241	247	314	297	298	273								
<b>S. Western Division</b>									York .....	47779	272	267	247	336	278	246	223								
Devizes .....	22130	148	118	84	108	123	98	95	Sunderland .....	56326	306	307	267	270	339	335	292								
Dorchester .....	23380	168	95	99	95	114	103	98	Gateshead .....	38747	216	216	228	214	239	228	165								
Exeter .....	31333	262	186	160	194	207	200	160	Newcastle-on-Tyne .....	55625	332	268	242	274	313	299	292								
St. Thomas .....	47105	247	220	208	211	216	199	148	Carlisle .....	36084	271	199	165	204	213	169	151								
Plymouth .....	36527	269	209	257	279	227	224	191	Cockermouth .....	35676	184	166	146	164	166	142	131								
Redruth .....	48062	270	243	419	310	262	257	172	Kendal .....	34094	222	188	154	160	176	151	147								
Penzance .....	50100	238	221	475	366	271	292	166	<b>Welsh Division</b>																
Bath .....	69232	507	433	361	420	432	384	336	Abergavenny .....	50834	476	332	244	273	319	286	254								
<b>Western Division</b>									Pontypool .....	25037	142	99	97	124	137	114	132								
Bristol .....	64298	464	424	435	524	479	438	347	Merthyr Tydfil .....	52864	569	560	397	460	363	304	303								
Clifton .....	66283	425	427	350	385	386	362	323	Newtown .....	25958	145	117	101	96	126	107	135								
Stroud .....	38920	241	244	184	190	193	156	161	Wrexham .....	39542	266	221	159	181	221	179	160								
Cheltenham .....	40221	228	191	191	219	224	210	138	Holywell .....	40787	253	269	177	228	204	163	183								
Hereford .....	33646	244	207	197	187	198	178	171	Anglesey .....	38105	201	142	122	155	152	124	149								

\* The last quarter in the Metropolis ended September 27th, 1845.

+ Wandsworth District is included in the return for the Metropolis.

† The former District of Leeds is now divided into the districts of *Leeds* and *Hunslet* both included in the present return.

**A TABLE OF THE MORTALITY**  
 IN THE  
**Metropolis.**  
 SHEWING THE NUMBER OF DEATHS FROM ALL CAUSES,  
*Registered in the 13 Weeks ending Sep. 27th, 1845.*

CAUSES OF DEATH	Quarterly Average of Deaths in the 5 Summer Quarters, 1839-43	Deaths in the Summer Quarter ending Sep. 27th, 1845	CAUSES OF DEATH	Quarterly Average of Deaths in the 5 Summer Quarters, 1839-43	Deaths in the Summer Quarter ending Sep. 27th, 1845
<b>ALL CAUSES</b>	11131	10842	<b>IV.—Laryngitis</b>	6	17
<b>SPECIFIED CAUSES</b>	11083	10802	Quinsey	21	5
I.—Zymotic (or Epidemic, Endemic, and Contagious) Diseases	2357	2409	Bronchitis	73	191
SPORADIC DISEASES:—			Pleurisy	15	28
II.—Dropsy, Cancer, and other Diseases of uncertain or variable Seat	1312	1111	Pneumonia	656	600
III.—Diseases of the Brain, Spinal Marrow, Nerves and Senses	1968	1897	Hydrothorax	41	46
IV.—Diseases of the Lungs and of the other Organs of Respiration	2884	2669	Asthma	113	101
V.—Diseases of the Heart and Blood Vessels	235	371	Phthisis or Consumption	1833	1558
VI.—Diseases of the Stomach, Liver, and other Organs of Digestion	1085	1099	Disease of Lungs, &c.	126	123
VII.—Diseases of the Kidneys, &c.	63	101	<b>V.—Pericarditis</b>	8	12
VIII.—Childbirth, Diseases of the Uterus, &c.	105	120	Aneurism	8	11
IX.—Rheumatism, Diseases of the Bones, Joints, &c.	65	71	Disease of Heart, &c.	218	348
X.—Diseases of the Skin, Cellular Tissue, &c.	15	27	<b>VI.—Teething</b>	301	217
XI.—Old Age	686	569	Gastritis	353	18
XII.—Violence, Privation, and Intemperance	308	358	Enteritis		212
I.—Small Pox	130	78	Peritonitis	14	31
Measles	404	698	Tabes Mesenterica	84	188
Scarlatina	476	194	Worms	6	10
Hooping Cough	275	385	Ascites	11	19
Croup	80	75	Ulceration (of Intestines, &c.)	23	38
Thrush	111	105	Hernia	17	18
Diarrhoea	331	419	Colic or Ileus	26	29
Dysentery	59	43	Intussusception	9	14
Cholera	54	26	Stricture	7	5
Influenza	12	8	Hæmatemesis	6	7
Ague	3	6	Disease of Stomach, &c.	66	93
Remittent Fever	6	8	Disease of Pancreas	.4	..
Typhus	352	273	Hepatitis	17	33
Erysipelas	55	56	Jaundice	29	29
Syphilis	9	17	Disease of Liver, &c.	113	135
Hydrophobia	1	..	Disease of Spleen	3	3
II.—Inflammation	79	..	<b>VII.—Nephritis</b>	4	4
Haemorrhage	37	29	Ischuria	2	..
Dropsy	377	227	Diabetes	4	13
Abscess	41	19	Cystitis	3	3
Noma	55	7	Stone	8	11
Mortification	55	34	Stricture	5	11
Purpura	5	11	Disease of Kidneys, &c.	36	59
Serofula	30	32	<b>VIII.—Childbirth</b>	71	70
Cancer	111	160	Paramenia	2	4
Tumor	23	8	Ovarian Dropsy	5	6
Gout	10	11	Disease of Uterus, &c.	27	40
Atrophy	124	233	<b>IX.—Arthritis</b>	.6	1
Debility	258	221	Rheumatism	30	31
Malformations	13	28	Disease of Joints, &c.	35	39
* Sudden Deaths	150	91	<b>X.—Carbuncle</b>	1	3
III.—Cephalitis	156	159	Phlegmon	.4	5
Hydrocephalus	475	421	Ulcer	4	6
Apoplexy	197	266	Fistula	4	7
Paralysis	168	184	Disease of Skin, &c.	5	6
Convulsions	781	608	<b>XI.—Old Age</b>	686	569
Tetanus	4	4	<b>XII.—Intemperance</b>	11	14
Chorea	.4	4	Privation	5	2
Epilepsy	41	78	Violent Deaths	292	342
Insanity	11	8	Causes not specified	47	37
Delirium Tremens	23	33			
Disease of Brain, &c.	112	132			

\* These were cases in which Inquests were held, and the cause of Death not ascertained.

## SUP. REG. DISTRICT

## REG. DISTRICT.

**CHORLTON.....** *Barton upon Irwell* .... The deaths (49) this quarter are not more than an average. Although there have been a great many cases of Small-pox in one part of my district, only 7 have proved fatal. I was an adult of 39 years of age. Of the rest who took the disease, many were betwixt the ages of 18 to 36. I believe our medical men have done all in their power to extend vaccination in their respective districts. All except three cases that have come to my knowledge have either been inoculated or vaccinated.

**MANCHESTER.....** *Ancoats* ..... The number of deaths registered this quarter are 268, being 6 less than the preceding, and 22 less than the corresponding quarter, 1844.

..... *London Road* ..... The number of deaths registered is 188, fewer than that of the corresponding quarter of 1844 by 58, of that of 1843 by 111, and below the quarterly average of 1844 by 40, of 1843 by 56. Of the 10 principal diseases, causes of death, Diarrhoea, the usual autumnal complaint, has been less frequently fatal than in either of the preceding years; and, with the exception of Hooping Cough, which amounts to 7½ per cent., the same observation applies generally. Of 188 cases of death, it will be seen by the annexed Table that nearly 63 per cent. are under 5 years of age, viz. 34½ per cent. males and about 28 per cent. females; a frugal circumstance truly, and beyond what I have ever before noticed.

No. of Deaths registered in Sept. Quarters			Causes of Deaths	Proportion per Cent.		
1845	1844	1843		1845	1844	1843
28	40	38	Diarrhoea .....	14.90	16.24	12.71
19	11	19	Debility from Birth .....	10.10	4.46	6.35
16	24	20	Phtisis .....	8.51	9.74	6.68
15	20	37	Convulsions .....	7.98	8.12	12.34
14	1	14	Hooping Cough .....	7.45	0.41	4.68
14	11	15	Teething .....	7.45	4.46	5.02
10	14	14	Old Age, Decay .....	5.31	5.68	4.18
8	12	18	Fever .....	4.25	4.87	6.01
6	13	15	Marasmus .....	3.20	5.49	5.02
5	1	4	Child Bed .....	2.65	0.41	1.34
135	147	194	Ten diseases .....	71.81	59.88	64.83
53	99	105	All others .....	28.19	40.12	35.17
188	246	299	Total each Quarter ..	100.0	100.0	100.0
Under 5 years.—Males.....				34.57		
Females.....				28.19		
Total under 5 years.....				62.76		
5 years and upwards .....				37.24		
				100.0		

..... *Deansgate* ..... The number of deaths during the quarter is about the average in my district. In consequence of the greatly improved method of making the causes of death from proper medical certificates, different modes to those hitherto adopted of classifying the cases in the quarterly returns will suggest themselves. As this method came into operation only about the middle of the quarter, I shall merely record the results during the month of September. In this month the total mortality in my district was 79, and of them 49 were under 5 years old. Of the latter, 35 died without having had any proper medical attendance. Of the remaining 30 above the age of 5 years, 8 had no medical attendance, being chiefly very old people. It will be seen, that with the exception of a few aged persons, the whole of these uncertified cases occurred in young children. The adult population is pretty well provided with medical attendance, either by the direct employment of medical practitioners, by connexion with Odd Fellows Lodges, Foresters Courts, and other sick societies, (the number of male adults between the ages of 20 and 50 years connected with these societies in Manchester being about 15,000 out of a total male population of the same ages of a little more than 40,000), by attendance from the Infirmary and other similar institutions, or by the medical officers appointed by the guardians of the poor. I may remark, that nearly all the societies for the sick in Manchester have medical officers appointed. But the very young are singularly ill provided for in cases of sickness; not a chance is afforded them for recovery. This either arises from great apathy and indifference on the part of the parents towards their offspring, or from their constant occupation from home, giving them little opportunity of observing the changes in their appearance, or what is more probable, from an undue confidence in the ability and knowledge of the persons consulted, there being sometimes what are called herb doctors, sometimes old women, but generally retail druggists. They are all, with the exception of the old women, called "doctors" by the poor, and believed by them to be such, and to possess the necessary qualifications in the discrimination and treatment of disease. The necessary consequence is, that the diseases from which the little sufferers perish are seldom recognized or correctly treated, and hence the frightful mortality; I say, this irrespective of the administration of opiates, the influence and effects of which I have pointed out in another place. Much of the mortality arises from Pneumonia and Diarrhoea, which are quite within the reach of medical treatment, and are not produced by opiates, though the congestion which opium produces in the lungs may predispose them to take on inflammatory action. It appears that during the last month exactly five-sevenths of the children who have died in this district have either had no medical attendance of any description, or only that of the class of persons above described, and which may in many cases be worse than none. Perhaps it would not be too much to say that one-half of them might have been saved by proper care and treatment. I cannot speak too highly of the alacrity and willingness of my medical friends in this district in furnishing me with returns of the causes of death since the necessary forms have been supplied to them.

..... *Falsworth* ..... Above the average number, arising from 11 cases of Scarletina, 2 cases of Measles, from the ages of 2 to 8 years.

**SALFORD.....** *Greengate* ..... The number of deaths of females is above the average, particularly infants; 70 of the 125 females were under 3 years of age. Diarrhoea has been prevalent for the last 6 weeks, and a large proportion of infants have died of Debility from Birth. Number of deaths in July, 63; August, 70; September, 102; total, 235.

..... *Pendleton* ..... Registered 122 births and 64 deaths this quarter. 12 deaths occurred without any medical attendance.

SUP. REG. DISTRICT	REG. DISTRICT.	
ASHTON	Ashton Town	Under the average of the corresponding quarters. 3 cases of Measles, and 3 of Small Pox without previous vaccination.
	Audenshaw and Droylsden	33 deaths, being 8 less than in the corresponding quarter of 1844. District healthy.
	Knott Lanes	The number of deaths this quarter is 5 under the average of the 3 last corresponding quarters. No epidemic is prevailing in my district. The decrease of the mortality may be accounted for by an increased demand for labor, good wages, and cheap provisions.
	Stayley	The district has been healthy this quarter; about the average of corresponding quarters in former years.
	Mottram	The number of deaths (27) is less than in the preceding quarter. The district is very healthy.
	Middleton	This return (29) is 13 below the average for the last five years. There is no epidemic prevailing at the present time, and, taking into account the increase of population, I consider my district to be very healthy.
	Royton	31 deaths, 2 less than the average of preceding corresponding quarters. <i>Scarlatina</i> has been very prevalent, but not fatal. A few cases of <i>Continued Fever</i> and <i>Ophthalmia</i> . The number of deaths and births this quarter form a striking contrast, being 31 and 86.
	Chadderton	The number of deaths registered this quarter is five fewer than last quarter. The cases of deaths from contagious diseases are, Small Pox 3, Croup 4, Bowel Complaint 1, Hooping Cough 1.
SHEFFIELD	Sheffield Park	55 deaths is below the average, owing, apparently, to the absence of epidemics, which have prevailed in the 3 former quarters, but appear to have exhausted themselves.
HUDDERSFIELD	Kirkheaton	Above the average. <i>Scarlatina</i> and <i>Small Pox</i> are the cause of the increase, there having died of the former 3, and of the latter 9, 8 of whom had not been vaccinated.
	Kirkburton	42 deaths, which is 33 less than the preceding quarter, and 2 less than the corresponding quarter of last year.
	Honley	No epidemic disease has prevailed in this district during the last quarter, and rather less than an average number of deaths have been registered.
	Golcar	The number of deaths (47) is above an average, but from no particular epidemic.
HALIFAX	Halifax	The number of deaths this quarter is 30 above the average of the corresponding quarters of the 8 preceding years. The following causes may have swollen the number this quarter. Convulsions 25, Typhus 6, Fever 13, Old Age 8, Phthisis 21, Measles 11, Pneumonia 5; total 89.
	Southowram	The deaths (38) rather more than an average. <i>Measles</i> and <i>Scarlatina</i> have prevailed, but have not been very fatal. 2 deaths from <i>Measles</i> , and 3 from <i>Scarlatina</i> , will account for the increase.
	Sowerby	52 deaths. 1 fatal case from <i>Measles</i> , 4 from <i>Small Pox</i> (3 of these without previous vaccination), 1 from <i>Typhus</i> , and 12 from <i>Phthisis</i> . The district is generally healthy.
	Ripponden	The number of deaths in this district this quarter is considerably more than the average, owing to the prevalence of a violent form of <i>Measles</i> .
	Luddenden	The above is below the average. District healthy.
BRADFORD	East-end	This has been a particularly healthy quarter. I have 64 less deaths than last quarter, notwithstanding a great increase in the population.
	West-end	I have had 19 more deaths the last quarter than the previous one. <i>Measles</i> have been prevalent.
	Cleckheaton	46 deaths this quarter, which is 4 more than the preceding quarter; but the population is on the increase in my district.
	Thornton	Rather above the average, owing to the prevalence of the <i>Measles</i> and <i>Hooping Cough</i> .
	Calverley	The number of deaths (20) in my district for the last quarter is below an average, and yet 1 more than the corresponding quarter, 1844, which was 19. December quarter for the same year was 24, and March quarter, 1845, was 34, and June 26.
	Wilsden	Rather above an average. 8 have died from <i>Measles</i> , 1 from <i>Typhus</i> .
	Driglington	<i>Measles</i> has prevailed in this quarter, though not very fatally. <i>Scarlatina</i> , Consumption, and Convulsions have also proved fatal. The district, generally speaking, has been healthful.
	Horton	A greater number of aged persons have died during the last quarter than usual; the mortality is, however, less than in last quarter by 41.
	North Bierley	68 is 1 less than the corresponding quarter of last year, and 7 less than the last of this year, (notwithstanding I have had 27 deaths, from <i>Small-pox</i> , <i>Measles</i> , and <i>Scarlatina</i> ,) but more than the average of all the corresponding quarters by 16, the average of them being 50.
	Bowling	The deaths are about an average.
LEEDS	North	Deaths are 220 at the various ages.

Under years	1	2	3	5	10	15	20	30	40	50	60	70	80	90	Totals
Male ...	33	12	6	5	3	2	2	7	6	9	6	3	4	1	99
Female...	35	20	7	8	9	3	6	7	7	6	3	8	4	3	121

This district is at present in a very healthy state, more so than last quarter, which can only be accounted for by the epidemic of *Measles* and *Pneumonia* having nearly subsided, and, compared with the last returns, shows a decrease of no fewer than 59 deaths. Below you have an abstract of the various causes of death, male and female, viz.—

	Males	Females	Males	Females
Asthma	3	1	Meas' es	5
Bronchitis	—	1	Miscellaneous	16 20
Congestion of the Lungs	—	1	Peritonitis	1 2
Consumption	21	19	Pneumonia	6 12
Convulsions	15	15	Premature Births	6 7
Croup	1	—	Quinsey	— 3
Dropsy	3	7	Small Pox	1 2
Hooping Cough	2	3	Senectus	4 9
Hydrocephalus	7	4	Typhus	2 2
Inflammation of the Lungs	3	3		
Marasmus	3	5	Total...	99 121

SUP. REG. DISTRICT.	REG. DISTRICT.	
LEEDS .....	West .....	The west district of Leeds is in a very healthy state at present.
	Hunslet .....	This is less than the average, being the fewest in number since the Registration Act came into operation.
YORK .....	Escrick .....	Above the average, but not from any particular disease. 1 case of <i>Small Pox</i> , not having been previously vaccinated.
SUNDERLAND ....	Bishopwearmouth, South	2 cases of Typhus; 1 of Scarlatina.
GATESHEAD .....	Gateshead .....	The number of deaths this quarter is considerably below an average.
	Heworth .....	Far below the average. The district in a healthy state. A few cases of <i>Small Pox</i> , 1 fatal.
	Whickham .....	The deaths (17) is rather under the average, although there has been 1 case of <i>Small Pox</i> , and another of <i>Scarlatina</i> , in the district, and 3 Coroner's Inquests, so that the general health is good.
TYNEMOUTH....	Tynemouth.....	The present return shows a greater mortality than any of the preceding corresponding (summer) quarters, except those (corresponding) of the years 39 and 42, when the number of deaths were respectively 91 and 99; the average of the 8 preceding said quarters is 74 4-8, the present exceeding that average by 24 4-8. The most prevalent diseases have been <i>Scarlatina</i> , <i>Diarrhoea</i> , <i>Hydrocephalus</i> , and <i>Phtisis</i> , which have been fatal amongst children under 5 and 10 years of age.
	Blyth .....	The deaths are few, and the district remarkably healthy.
	Wallsend.....	The deaths (23) are 3 above the corresponding quarter of last year. There are 5 Coroner's Inquests, which more than accounts for the increase.
NEWCASTLE UPON TYNE .....	All Saints .....	90 deaths is the smallest number I have ever registered in any quarter, and about 43 below the average since the commencement of registration.
CARLISLE.....	St. Cuthbert .....	The number of deaths this quarter is about the average. District healthy.
	St. Mary.....	The number of deaths (59) is 30 per cent. below an average: District healthy.
ABERGAVENNY....	Blaenavon .....	Of the number (27) there are 5 Coroner's Inquests, 4 of Old Age. My district is in a healthy state.
MERTHYR TYDFIL	Gellygare.....	My district is healthy at present.
	Aberdare .....	The deaths (79) are above the average, attributable to the number of Coroner's Inquests, I having registered 37 this quarter.
NEWTOWN.....	Newtown.....	The number of deaths this quarter is about the average.
	Llanidloes, Lower .....	The number of deaths is 32, being 8 below the average of the last quarter. There have been 9 deaths from <i>Scarlatina</i> , and the remainder from different cases. I have had only 1 Coroner's Inquest in my district for the quarter; the death was caused by a severe Scald. My district is at present in a healthy state.
WREXHAM .....	Wrexham .....	The number of deaths (53) is below the average. The corresponding quarter of 1844 was likewise 53, and the corresponding quarter of 1843 was 50. The district is considered healthy.
HOLYWELL.....	Mold .....	The number of deaths is considerably below the average. The Mold district has been very healthy during the quarter; in proof of which I may state, that between the 30th July and 29th August there was not a single natural death, in a population which at the census of 1841 numbered 10,811.
ANGLESEY.....	Llangefni.....	35 deaths. 16 persons died of <i>Scarlatina</i> .

GENERAL REGISTER OFFICE,

Nov. 6th, 1845.



ANNUAL SERIES.

4

1845.—No. 4.

A QUARTERLY TABLE  
OF THE  
*Mortality*  
IN A

HUNDRED AND FIFTEEN OF THE DISTRICTS

OF  
ENGLAND

(INCLUDING THE PRINCIPAL TOWNS,)

SHOWING

THE NUMBER OF DEATHS REGISTERED

IN THE SEVEN DECEMBER QUARTERS OF THE YEARS 1838-9-40-1-2-3-4;

AND THE NUMBER OF DEATHS IN THE DECEMBER QUARTER 1845;

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PUBLISHED BY AUTHORITY OF THE REGISTRAR GENERAL.

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LONDON:  
HARTNELL, PRINTER, RED LION COURT.



## STATE OF THE PUBLIC HEALTH IN THE PAST QUARTER.

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"The Quarterly Returns are obtained from 115 Districts, sub-divided into 576 Sub-Districts. *Thirty-four* Districts are placed under the Metropolis, and the remaining 81 Districts comprise, with some agricultural Districts, the principal towns and cities of England. The population was 6,579,693 in 1841."

The mortality in the last quarter of 1845 was much lower than is usual, for only 39,178 deaths were registered, which is less by 14,740 than the number (43,918) registered in the corresponding quarter of 1844; and 2357 less than the average of the corresponding quarter of seven previous years, notwithstanding the increase of the population at the rate of about 1.74 per cent. annually.

The fluctuations in the mortality, above and below the average, are exhibited in the following series of numbers. The lower line is deduced from the Return in the December quarter of 1838, and shows what the deaths would have been if they had increased in the same ratio as the population.

	1838	1839	1840	1841	1842	1843	1844	1845
Deaths Registered in the December Quarters of 8 Years ....	40,030	41,598	44,044	39,165	39,544	42,449	43,918	39,178
Deaths which would have been Registered if the numbers had increased from 1838 at the rate of 1.74 per cent. annually	40,030	40,788	41,560	42,347	43,149	43,966	44,799	45,647
Difference <i>above</i> the calculated number.....		810	2,484	.....	.....	.....	.....	.....
Difference <i>below</i> the calculated number.....				3,182	3,605	1,517	881	6,469

The mildness of the season was one cause of the diminished mortality. This is illustrated by the annexed Table of the deaths, exclusive of those by violence, registered in the Metropolis, and the mean temperature at Greenwich of the last six weeks of 1844 and 1845. The deaths and the temperature were the same at first; on the fifth week the deaths were 1,343, in 1844, and only 933 in 1845; the temperature in the previous week (the fourth) had fallen to  $28^{\circ} 2$  in 1844, and only to  $39^{\circ} 2$  in 1845.

Number of weeks .....	1st.	2nd.	3rd.	4th.	5th.	6th.
1844.—Mean Temperature of the last six weeks .....	44°.5	37°.6	31°.7	28°.2	37°.0	33°.4
1844.—Deaths Registered in the last six weeks .....	884	1037	965	1170	1343	1200
1845.—Deaths Registered in the last six weeks .....	886	943	935	949	933	898
1845.—Mean Temperature of the last six weeks.....	45°.5	46°.1	42°.4	39°.2	43°.6	40°.1

A fall of the mean temperature of the air, from  $45^{\circ}$  to  $4^{\circ}$  or  $5^{\circ}$  below the freezing point ( $32^{\circ}$ ) of water, destroys from 300 to 500 lives in the Metropolis. It produces the same results on a larger scale all over the country. Nor is it to be wondered at that a great change of the heat of the air which we breathe and live in, should have such an effect.

\* The Deaths of Wandsworth, now in the Metropolis, have been added to those of all the previous Years.

In the annexed Table, the deaths returned by the Registrars for each Year are given:—

Year	Deaths Registered in 115 Districts
1838	162,867
1839	162,605
1840	171,694
1841	160,733
1842	161,948
1843	163,201
1844	167,708
1845	165,789

In the first three years there were 497,166 deaths; in the last three years 496,698. The population increased in the districts, from which returns have been procured, about 1·74 (nearly  $1\frac{3}{4}$ ) per cent. annually, in the intervals of the last censuses,—and the excess of births over deaths has continued,—so that it may be safely assumed, that the numbers living have gone on increasing at the same rate—about 9 per cent. in the five years, from the middle of 1839-40 to the middle of 1843-5. Now, the deaths, instead of increasing with the population 9 per cent., and consequently amounting to 541,960 in the three last years were 496,698—less by 45,262 than if the rate of mortality, which prevailed in the three years 1838-40, had been sustained. The improvement may perhaps be partly accounted for by other circumstances; but as far as can be seen at present, it is fairly ascribable to the partial removal of nuisances from large towns, to some increase of employment, and, we may hope, a consequent amelioration in the condition of the great body of the people in the dense town districts of the kingdom. But an epidemic, generated in this or any neighbouring population, may speedily reverse the results of the Tables, and carry off the thousands of lives that appear to have been spared and saved.

### METEOROLOGY OF 1844 & 1845.

Quarters ending	Years	THERMOMETERS												In the water of the Thames at Greenwich by the Self Registering Thermometer read at 9 o'clock.	Difference be- tween the dew point temperature and air temperature	WIND									
		Mean			Dew Point	Self-Registering			MEAN			Mean of 936 dif- ferences	Mean of the greatest on each day, 78 observations	Mean of the least on each day, 78 ob- servations	General direction	Greatest pressure in the quarter	Mean for the quarter								
		Lowest during any week	Highest on each day, 78 observations	Lowest on each day, 78 observations		Mean of 936 observations	Difference	During the quarter	Highest in the sun	Lowest on the grass	Mean of 91 observations														
March . . .	1844	29.705	57.6	18.6	43.7	33.4	10.4	38.6	34.9	83.6	52.3	6.3	27.1	..	3.8	7.9	0.8	-0.3	..	-17.0	0.63	1238	7.2	1	
	1845	29.788	59.0	8.8	40.0	30.9	9.1	35.4	31.7	63.8	49.6	6.0	23.8	37.2	36.4	3.7	7.7	0.9	-3.5	..	13.0	0.6	1046	7.5	4.8
June . . .	1844	29.919	83.3	34.0	65.4	45.5	19.9	55.0	47.2	111.7	68.6	21.6	37.0	..	..	7.8	15.4	1.6	+1.9	..	10.0	0.36	948	5.5	2.3
	1845	29.731	83.2	29.5	60.5	44.2	16.3	51.9	46.5	115.6	80.0	12.2	36.3	54.9	54.1	5.4	12.0	0.9	-1.1	..	12.0	0.5	956	6.4	4.8
September	1844	29.762	85.1	40.6	66.9	51.4	15.5	58.9	53.6	115.0	90.0	0.0	43.5	..	..	5.3	11.8	0.8	-2.0	..	9.0	0.29	870	6.3	5.3
	1845	29.768	80.5	35.3	65.0	50.1	14.9	57.1	52.3	111.6	87.1	22.5	44.2	61.0	60.6	4.8	10.7	0.9	-3.8	..	9.0	0.4	917	6.9	7.0
December	1844	29.713	65.9	21.6	44.3	38.7	6.3	42.4	39.4	87.2	52.6	7.9	32.4	45.1	44.5	3.0	6.1	0.8	-2.6	..	8.0	0.35	864	7.7	9.2
	1845	29.767	67.1	28.3	51.6	40.4	11.2	46.1	42.5	84.8	59.9	15.0	33.4	47.4	46.4	3.6	7.4	0.9	+0.9	..	15.0	0.5	1107	6.2	5.4

\* In reading the twentieth column it will be borne in mind that + is read "HIGHER," and - "LOWER" than the average.

† Erratum in the last Quarterly Table—where it appeared (-4.3) instead of (-0.3). The error was copied from the 1st Quarterly Meteorological Table of 1844, which also requires correction.

**TABLE**  
OF THE  
**MORTALITY**

In 115 of the Districts of England (including the principal Towns): shewing the Number of Deaths Registered in the quarters ending December 31st.

Parts of Divisions and Districts	Popu-lation 1841	Deaths Registered in the Quarters ending December 31st								Parts of Divisions and Districts	Popu-lation 1841	Deaths Registered in the Quarters ending December 31st															
		Years											Years														
		1838	1839	1840	1841	1842	1843	1844	1845			1838	1839	1840	1841	1842	1843	1844	1845								
Metropolis .....	6579693	40030	41598	44044	39165	39544	42449	43918	39178	Shrewsbury .....	21529	132	123	147	127	117	135	166	99								
Metropolis .....	4664589	27217	30028	31167	28188	27708	28513	30262	27483	Worcester .....	27130	179	162	137	157	195	170	150	149								
Aggregate Deaths in the Subjoin Districts of the 11 Divisions of England										Kidderminster .....	29408	109	119	200	135	159	145	189	158								
Metropolis .....	1915104	12813	1157	12877	10977	11836	13936	13656	11695	Dudley .....	86028	410	524	493	686	519	414	697	475								
South Eastern..	218181	1080	1150	1209	1143	1236	1230	1327	1122	Walsall .....	34274	142	206	317	225	202	150	179	225								
South Midland..	155225	773	873	834	958	690	956	922	684	Wolverhampton .....	80722	412	437	651	560	411	474	489	464								
Eastern.....	128921	817	741	811	683	769	694	88	635	Wolstanton .....	32669	157	191	189	202	255	179	209	171								
South Western..	327869	1588	1583	1885	1856	1846	1954	1991	1501	Birmingham .....	138187	791	985	945	920	872	998	964	777								
Western .....	776002	3994	4557	5159	4888	4701	4658	5123	4212	Aston .....	50928	285	252	314	301	240	307	326	230								
North Midland..	234771	1215	1713	1687	1271	1510	1450	1484	1257	Coventry .....	31028	146	199	150	265	297	191	244	193								
North Western..	1530460	10429	11399	11508	10027	10153	10341	11050	10547	<b>N. Midland Division</b>																	
York .....	691131	4298	4412	4376	4015	3792	4039	4318	4218	Leicester .....	50932	344	367	431	299	407	343	387	354								
Northern .....	328902	1782	2213	2154	1997	1707	1805	1652	1916	Lincoln .....	36110	136	212	236	200	156	210	160	158								
Welsh .....	273127	1241	1387	1544	1350	1304	1386	1508	1391	Nottingham .....	53080	295	520	428	306	382	357	382	305								
Districts										Basford .....	59634	261	364	347	267	341	280	345	252								
Metropolis										Derby .....	35015	179	250	245	199	224	260	210	188								
Districts										<b>N. Western Division</b>																	
Districts										Stockport .....	85672	583	547	623	458	532	534	474	437								
Districts										Macclesfield .....	56018	268	457	379	339	308	307	344	293								
Districts										Gt. Broughton, inc. Chester .....	49085	268	302	382	312	255	257	263	235								
Districts										Liverpool .....	223054	1885	1960	2247	1995	1723	1855	2130	1981								
Districts										West Derby, (adj. Liverpool) .....	88652	473	497	691	561	652	625	814	674								
<b>Eastern Division</b>										Blackburn .....	75001	389	700	431	376	359	462	577	435								
Districts										Preston .....	77189	401	444	661	480	478	459	429	552								
Districts										Rochdale .....	60577	378	428	435	313	338	360	329	414								
Districts										Bury .....	77496	450	469	504	465	409	439	445	439								
Districts										Bolton .....	97519	620	677	748	576	732	624	621	822								
Districts										Wigan .....	66032	342	619	481	392	336	523	371	402								
Districts										Prescott .....	43739	196	331	236	243	242	223	237	290								
Districts										Chorlton .....	93736	528	582	520	649	583	658	710	691								
Districts										Manchester .....	192408	1815	1634	1520	1474	1609	1438	1652	1413								
Districts										Salford .....	70228	587	590	483	476	532	517	525	451								
Districts										Ashton .....	173964	1246	1162	1167	918	1065	1060	1129	1018								
<b>Midland Division</b>										<b>York Division</b>																	
Districts										Sheffield .....	85076	640	769	644	644	456	546	599	527								
Districts										Huddersfield .....	107140	487	545	546	487	444	478	537	574								
Districts										Halifax .....	109175	485	620	562	512	621	562	596	695								
Districts										Bradford .....	132164	848	860	791	658	782	809	833	1039								
Districts										Leeds & Hunslet .....	168667	1298	974	1194	1170	981	1070	1103	891								
Districts										Hull .....	41130	341	395	370	287	257	317	314	261								
Districts										York .....	47779	199	339	269	257	251	257	336	231								
<b>Northern Division</b>										<b>Welsh Division</b>																	
Districts										Sunderland .....	56226	319	437	396	372	294	307	269	378								
Districts										Gateshead .....	38747	229	258	256	270	197	261	214	215								
Districts										Tynemouth .....	55625	270	310	308	337	321	276	267	320								
Districts										Newcastle-on-Tyne .....	71850	401	623	516	525	392	423	374	434								
Districts										Carlisle .....	36084	235	186	326	181	193	230	204	183								
Districts										Cockermouth .....	35676	149	160	181	177	149	159	164	173								
Districts										Kendal .....	34694	179	239	171	135	161	149	160	213								
<b>Western Division</b>										Abergavenny .....	50834	251	287	311	300	221	277	264	241								
Districts										Pontypool .....	25037	109	134	108	97	151	89	124	168								
Districts										Merthyr Tydfil .....	52864	278	310	378	288	261	372	459	334								
Districts										Newtown .....	25958	100	113	145	118	103	99	97	123								
Districts										Wrexham .....	39542	175	189	243	184	211	209	181	177								
Districts										Holywell .....	40787	203	233	205	217	194	196	228	185								
Districts										Anglesey .....	38105	125	121	154	146	163	144	155	163								

\* The last quarter in the Metropolis ended December 29th, 1845.

**A TABLE OF THE DEATHS IN THE METROPOLIS FROM ALL CAUSES,**

Registered in the Seven last Quarters of the 7 Years 1839-40-41-42-43-44-45.

CAUSES OF DEATH	Quarters ending December							CAUSES OF DEATH	Quarters ending December						
	1839	1840	1841	1842	1843	1844	1845		1839	1840	1841	1842	1843	1844	1845
ALL CAUSES .....	11570	12877	10977	11836	13936	13656	11695	IV.—Laryngitis.....	4	9	6	6	14	17	27
SPECIFIED CAUSES .....	11364	12818	10926	11780	13826	13619	11631	Quinsey .....	23	16	20	23	26	35	10
I.—Zymotic (or Epidemic, Endemic, and Contagious) Diseases ..	2267	2464	2023	2074	2946	2991	2724	Bronchitis.....	101	151	140	213	286	394	591
SPORADIC DISEASES:—								Pleurisy .....	16	24	29	20	22	30	43
II.—Dropsy, Cancer, and other Diseases of uncertain or variable Seat.....	1370	1509	1381	1418	1418	1338	1069	Pneumonia .....	1128	1455	948	1314	1729	1405	1131
III.—Diseases of the Brain, Spinal Marrow, Nerves and Senses..	1801	1962	1731	1844	2080	2001	1727	Hydrothorax .....	66	65	45	49	80	86	48
IV.—Diseases of the Lungs and of the other Organs of Respiration ..	3505	4154	3367	3810	4440	4265	3567	Asthma .....	296	458	294	278	320	366	190
V.—Diseases of the Heart and Blood Vessels ..	261	289	258	290	331	474	417	Phthisis or Consumption .....	1711	1766	1708	1700	1771	1676	1382
VI.—Diseases of the Stomach, Liver, and other Organs of Digestion ..	710	791	825	766	1002	854	875	Disease of Lungs, &c. .....	150	210	177	207	192	256	145
VII.—Diseases of the Kidneys, &c. ....	65	62	54	95	89	101	140	V.—Pericarditis .....	10	10	4	9	14	35	22
VIII.—Childbirth, Diseases of the Uterus, &c. ....	109	162	112	144	143	173	141	Aneurism .....	8	16	6	7	9	10	10
IX.—Rheumatism, Diseases of the Bones, Joints, &c. ....	57	76	59	81	70	94	89	Disease of Heart, &c. .....	243	263	248	274	308	429	370
X.—Diseases of the Skin, Cellular Tissue, &c. ....	19	15	17	15	26	16	35	VI.—Teething .....	203	217	232	173	270	171	113
XI.—Old Age.....	870	1000	798	918	980	898	519	Gastritis .....	172	209	220	205	235	15	10
XII.—Violence, Privation, and Intemperance ..	330	334	301	325	301	414	328	Enteritis .....	12	13	13	25	20	29	44
I.—Small Pox .....	66	709	75	108	114	571	106	Peritonitis .....	37	59	74	64	136	101	161
Measles .....	382	356	409	346	456	385	927	Tabes Mesenterica .....	8	8	5	4	11	11	10
Scarlatina .....	918	419	181	522	718	872	269	Worms .....	9	9	13	8	21	24	29
Hooping Cough .....	212	287	652	309	468	277	557	Ascites .....	17	23	21	18	32	20	3
Croup .....	83	102	128	112	127	102	82	Ulceration (of Intestines, &c.) .....	25	23	25	27	21	27	2
Thrush .....	33	54	62	59	87	52	46	Hernia .....	15	19	33	33	33	29	1
Diarrhœa .....	79	62	112	87	268	129	199	Colic or Ileus .....	3	6	3	3	6	8	1
Dysentery .....	14	16	20	49	103	34	25	Intussusception .....	11	7	4	6	5	6	1
Cholera .....	2	6	3	13	14	5	11	Stricture .....	7	4	2	5	6	9	1
Influenza .....	13	23	13	15	40	32	20	Hæmatemesis .....	50	57	26	63	80	52	7
Ague .....	2	5	3	8	6	14	3	Disease of Stomach, &c. ....	14	22	6	14	17	23	5
Remittent Fever .....	7	5	1	4	8	10	20	Disease of Pancreas .....	24	20	36	29	24	34	2
Typhus .....	378	310	291	359	460	385	358	Disease of Liver, &c. ....	101	95	111	84	83	108	12
Erysipelas .....	68	107	64	78	67	106	77	Disease of Spleen .....	2	..	..	1	2	2	2
Syphilis .....	10	3	7	4	9	17	31	VII.—Nephritis .....	7	8	8	3	10	5	1
Hydrophobia .....	..	..	2	1	1	..	1	Ischuria .....	6	2	1	1	3	1	1
II.—Inflammation .....	142	90	65	73	40	8	..	Diabetes .....	3	6	3	3	5	10	1
Hæmorrhage .....	37	41	29	42	49	40	20	Cystitis .....	6	5	5	8	3	4	1
Dropsy .....	494	510	453	441	386	337	134	Stone .....	8	1	3	4	9	12	1
Abscess .....	50	49	44	28	30	30	20	Stricture .....	2	5	4	16	11	12	1
Noma .....	..	..	..	..	..	..	2	Disease of Kidneys, &c. ....	33	35	30	60	56	60	8
Mortification .....	64	54	54	49	65	61	27	VIII.—Childbirth .....	88	116	88	107	95	121	9
Purpura .....	..	3	2	4	4	6	8	Paramenia .....	2	5	3	3	4	..	..
Scrofula .....	21	19	23	32	37	37	2	Ovarian Dropsy .....	2	1	1	3	5	9	1
Cancer.....	106	89	97	117	144	157	206	Disease of Uterus, &c. ....	17	40	20	31	39	43	1
Tumor.....	22	19	31	17	8	4	1	IX.—Arthritis .....	1	1	..	..	2	..	..
Gout .....	5	10	12	22	13	10	18	Rheumatism .....	31	35	31	47	27	43	1
Atrophy .....	42	83	80	95	172	164	186	Disease of Joints, &c. ....	25	40	28	34	41	51	1
Debility .....	193	314	295	244	270	281	246	X.—Carbuncle .....	1	1	..	..	4	1	1
Malformations .....	9	12	5	17	30	17	54	Phlegmon .....	..	1	3	..	2	8	1
Sudden Deaths * ..	185	216	191	237	170	186	82	Ulcer .....	5	7	10	3	8	8	1
III.—Cephalitis .....	140	142	122	148	152	160	142	Fistula .....	5	3	3	4	7	6	4
Hydrocephalus .....	414	437	386	372	471	372	386	Disease of Skin, &c. ....	8	3	1	8	6	4	1
Apoplexy .....	212	250	239	224	249	311	272	XI.—Old Age .....	870	1000	798	918	980	898	5
Paralysis.....	190	230	211	198	235	235	213	XII.—Intemperance .....	12	9	4	8	8	10	2
Convulsions .....	680	695	582	703	758	699	450	Privation .....	6	9	10	6	5	10	1
Tetanus .....	4	8	3	1	7	4	6	Violent Deaths .....	312	316	287	311	288	394	2
Chorea .....	1	1	1	1	1	6	..	Causes not specified	206	59	51	56	110	37	1
Epilepsy .....	49	60	43	49	36	54	68								
Insanity .....	14	12	11	14	22	14	30								
Delirium Tremens..	21	22	27	16	21	25	33								
Disease of Brain, &c.	76	105	106	118	128	121	127								

\* Inquests in which the cause of death was not assigned.

UARTERLY METEOROLOGICAL TABLE,

*Deaths registered in the Metropolis from Small-Pox, Measles, Scarletina, Hooping-Cough, Typhus, Diarrhoea, Dysentery and Cholera, Influenza, Consumption, and other Diseases of the Lungs; the numbers at each age, & the total deaths (except violent and sudden) in each of the 13 weeks ending Dec. 29, 1845.*

In reading the 29th column, it will be borne in mind that + is read "HIGHER," and - is read "LOWER," than the average.

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\* The Ages of 14 were not specified in the label.  
† Inquests are held on violent and sudden Deaths which are returned irregularly.

METEOROLOGICAL OBSERVATIONS FOR THE DECEMBER QUARTER, 1845.

Year 1845*	Mean Height Barometer cor- rected and re- duced to 29 Inches.	THERMOMETERS						WIND			Average Cloudiness	Wet Days	Rain in Inches	Evapo- ration in Inches	NOTES					
		Mean of 3 Daily Observa- tions	Highest	Lowest	Difference	Self Registering		Wet Bulb Mean of daily Observations	SW.	General Direction										
						Average Force	§ 2.1													
BIRMINGHAM <i>William Onion, Esq., Curator, &amp;c.</i>	Oct. Nov. Dec.	29.521 45.61 41.17	* 51.16. 57.0 54.5	65.5 57.0 54.5	35.5 29.0 29.0	30.0 28.0 25.5	49.79 44.50 40.31	{ 41.16 45.22 42.48 40.48 39.07 38.52	2.77 6.2	SW. SE. & SW. SW. W. & NW.	20.5 18.5 16.75	17 23 21	1.585 2.835 3.300	2.575 1.535 2.060	Height of the clister of the barometer above the ground ... 1.3 External thermometers above the sea ... 46.2 Receiver of the rain gauge above the ground ... 4.2 Evaporation gauge above the ground ... 3.8 * Mean of 4 daily Observations. † Mean difference of Wet and Dry Bulb—2 Observations daily. ‡ Mean Dew Point (Daniell.) § Monthly mean of the daily maximum pressure by Oster's Aeronometer    Three Observations daily—9 A.M., 3 P.M., 9 P.M. ¶ "Muras" was printed by mistake in the last Quarterly Paper ** The mean of the "Wet Bulb" is from three daily Observations.					
FALMOUTH <i>Lovell Squire, Esq.</i>	Oct. Nov. Dec.	29.976 48.6 44.9	52.9 56. 52.	61. 37. 34.	43. 19. 18.	18. 19. 18.	51.95 47.96 44.46	47.95 47.96 44.46	1.9 2.4 2.2	NW. W. W.	8.2 7.5 7.1	8 15 20	1.234 6.538 4.027	22 22 22	** Mean difference of Wet and Dry Bulb—2 Observations daily. † Mean Dew Point (Daniell.) ‡ Mean Pressure by Oster's Aeronometer § Monthly mean of the daily maximum pressure by Oster's Aeronometer    Three Observations daily—9 A.M., 3 P.M., 9 P.M. ¶ "Muras" was printed by mistake in the last Quarterly Paper ** The mean of the "Wet Bulb" is from three daily Observations.					
NEWCASTLE-UPON-TYNE <i>G. Maras, Esq., Under Librarian.</i>	Oct. Nov. Dec.	29.772 45.364 39.723	50.118 63. 56.	62. 30.5 31.	32. 32'.5 25'	30. 32'.5 25'	49.213 45.233 40.21	47.28 43.3 37.5672	4 days strong the remainder moderate Mid. & close of month strong. 14 days very strong wind, often amounting to a gale, remainder mod.	NW by W. SW. & NW. W by S.	17	3.56 5.1 4.49	10 10 14	3.56 5.1 4.49	22 22 22	Beginning and middle cloudy, at close clear, Cloudy month, with an occasional fine day. Cloudy, a few fine days towards the close.				
TRURO <i>Dr. C. Barham.</i>	Oct. Nov. Dec.	30.03 29.70 30.01	Absol. Mean Absol. Mean Absol. Mean	58.2 58. 53.8 54. 50.3	34. 47.8 34. 44.6 28. 40.9	10.4 24. 9.2 26. 9.4	53.0 49.2 49.2 45.6 45.6	3.1 1.5 1.5 1.8 1.8	E by 28 W by 40 E by 31 W by 79 E by 2	5.1 5.0 5.0 5.8 5.8	15 20 20 24 24	1.35 2.92 2.92 1.50 1.50	22 22 22 22 22	E by 28 W by 40 E by 31 W by 79 E by 2						
DERBY <i>Mr. Davis.</i>	Oct. Nov. Dec.	29.25 29.45 29.48	22 22 22	62.0 56.0 50.0	28.0 26.0 26.0	34.0 30.0 24.0	32.0 30.0 22.0	3.0 3.0 2.0	S. SW. & W. B. SE. & W. S. SW. & W.	32 32 32	1.89 1.88 2.93	22 22 22	S. SW. & W. B. SE. & W. S. SW. & W.							
CARLISLE, HARRABY <i>Joseph Atkinson, Esq.</i>	Oct. Nov. Dec.	29.844 29.557 29.621	59.5 56.0 50.8	28.0 19.0 16.0	31.5 40.0 34.8	49.6 40.0 36.9	22 22 22	Moderate 20 days Strong 11 Moderate 23 Strong 7 Moderate 21 Strong 10	E. 9 days W. 22 E. 11 W. 18 E. 4 W. 27	Cloudy 10 days Cloudy 13 Cloudy 10	5.691 2.002 3.993	22 22 22	E. 9 days W. 22 E. 11 W. 18 E. 4 W. 27							
BRIGHTON, BLACK ROCK <i>J. O. N. Rutter, Esq.</i>	Oct. Nov. Dec.	†† 30.037 29.746 29.828	51.61 46.73 40.93	†† 55.89 50.05 45.58	46.1 42.16 36.87	9.79 7.89 8.71	§§ 51.32 46.48 41.05	48.47 44.44 39.26	1.1 1.6 6.0	4.7 6.1 6.0	22 22 22	†† Observations daily—9 A.M., and 3 P.M. †† Mean—highest and lowest. §§ Mean of 5 daily Observations—highest and lowest included.     Total Observation by clouds=10.	22 22 22	†† Observations daily—9 A.M., and 3 P.M. †† Mean—highest and lowest. §§ Mean of 5 daily Observations—highest and lowest included.     Total Observation by clouds=10.						

METEOROLOGICAL SYNOPSIS for NOVEMBER, 1845.  
Supplied by WILLIAM ONION, Esq., of Birmingham

NAMES OF STATIONS	Mean Barometer	Maximum Barometer	Minimum Barometer	Quantity of Rain	Mean Temperature	Maximum Temperature	Minimum Temperature	Prevailing Winds
HELSTONE, Cornwall .....	29°56*	30°11 on 3rd*	29°018 on 19th*	5°51	47°0	59° on 6th	35° on 22nd	W.—N.W.—N.E., &c.
TORQUAY, Devon.....	29°630	30°17 on 3rd	29°100 on 19th	4°30	49°8	59° on 6th	35° on 22nd	S.W.—N.E.—S., &c.
UCKFIELD, Sussex .....	29°481	30°050 on 3rd	28°950 on 19th	2°99	42°91	58° on 6th	22° on 25th	S. W.
NEWBURY, Berks .....	29°356	29°920 on 3rd	28°810 on 19th	2°54	41°58	58° on 6th	27° on 22nd	S.—S.W.—N.W.—W.&c
SAFFRON WALDEN, Essex.....	29°626	30°300 on 3rd	29°080 on 19th	2°22	45°37	58° on 3rd	30° on 4th	S.E.—W.—S., &c.
THWAITE, Suffolk .....	29°838	30°480 on 3rd	29°200 on 19th	2°23	46°46	59° on 8 & 9th	28° on 4th	S. E. & S. W.
WROTTESLEY OBSERVATORY, near { Wolverhampton .....	29°239	29°886 on 3rd	28°506 on 19th	2°160	42°8	55° on 7th	28° on 4th	S. E.
BIRMINGHAM .....	29°231*	29°902 on 3rd*	28°454 on 19th*	2°835	45°61	57° on 8th	29° on 4th	S. E. & S. W.
EMPINGHAM, Rutland .....	29°650	30°300 on 3rd	29°000 on 19th	1°300	46°5	53° on 8th	38° on 23 & 24th	N. W.
LETON, Notts.....	29°622*	30°424 on 3rd*	28°548 on 19th*	1°649	44°11	66° on 11th	29° on 24th	W.—S.—N.W., &c.
WHITEHAVEN, Cumberland .....	29°462	30°160 on 3rd	28°490 on 19th	4°022	45°42	56°5 on 6th	30°5 on 23rd	S. & W.
CULLODEN HOUSE, Inverness .....	29°380*	30°223 on 2nd	28°070 on 19th	2°120	42°68	56°5 on 6th	31° on 24th	S. W.

Note.—The Observations to which an asterisk is attached are corrected for Capillarity and reduced to 32° Fahrenheit.

## REGISTRARS' NOTES.

The following Instruction was addressed to the 447 Registrars in the Country:—

"If at any time the number of deaths registered during the Quarter has been *above the average*, state, in a note at the foot of the Return, whether any epidemic disease, such as Measles, Typhus, &c., has been prevailing in the District; or if there be any other known circumstance which will account for the increase."

In compliance with the above Instruction, 177 Registrars have appended explanatory notes to their Returns; the remaining 270 Registrars apparently observed a decrease, or no obvious increase, in the mortality.

The Registrars alone must be held responsible for their opinions expressed in any of the subjoined Notes.

An Abstract of the Notes to the Returns is subjoined.

SUP. REG. DISTRICT	REG. DISTRICT	NOTES
MAIDSTONE .....	Loose .....	The number of deaths this quarter is rather above the average. Two deaths from Small Pox have occurred in my district after vaccination, and 3 of Typhus Fever.
BRIGHTON .....	The Palace .....	Although there has been a very considerable increase of the population in my district since the passing of the Registration Act, yet the number of deaths this year has been less than any of the preceding years.
	Kemp Town.....	The deaths in my district are principally of persons advanced in years; the number is 12 less than the average of the corresponding quarters for 3 years previous, including 4 inquests.
ISLE OF WIGHT .....	Calbourne.....	Below the average; district healthy.
PORTSEA ISLAND ..	Portsea Town .....	The deaths registered this quarter exceed those of the corresponding quarter of the last year by 12. Of the 97 registered there are 20 whose united ages amount to 1,567 years, and 30, the average of whose ages does not amount to 5 months.
	Kingston and Landport .....	The number of deaths this quarter (82), is below the average of corresponding quarters; 17 of the above numbers were between the ages of 60 and 80 years; and 10 above the age of 80. My district still continues free from epidemic disease; 72 deaths have been certified during the quarter, and 10 not certified, having no medical attendant.
	Laudport and Southsea....	During the quarter I have registered 128 deaths, Consumption and Old Age being the principal cause; also, 3 cases of Small Pox, without vaccination, and 1 case with vaccination. I have to express my thanks to the medical gentlemen for their kindness in furnishing me with returns of the cause of death, since the necessary forms have been supplied them.
WINDSOR .....	Egham.....	The number of deaths this quarter rather above the average. Measles have been very prevalent in my district—attacking persons of all ages. Six cases proved fatal.
ST. ALBAN'S .....	St. Alban's .....	The number of deaths this quarter is 48; which is below the number in the corresponding quarter of last year. My district is in a healthy state.
	Harpden .....	Rather below the average; the district healthy.
WYCOMBE .....	High Wycombe .....	The deaths in my district are 47 for the quarter, being 7 above the average. To account for the increase, 19 died of Epidemic, &c., viz., Small Pox, 5; Typhus, 3; Diarrhoea, 1; Hooping Cough, 2; Croup 3; Apoplexy, 2; and Coroner's Inquests, 3.
	Great Marlow.....	20 deaths; this is much less than any previous quarter, it is in consequence of three Parishes being taken from my district. 1 death, from Small-Pox, not vaccinated. The Town of Great Marlow and the other parts of my district is now quite free from this dreadful disease. Hooping Cough is prevailing, but not fatal in any case hitherto.
	Prince's Risborough .....	The lowest number of deaths of any quarter since I have been Registrar, and not so many by more than one-half as in the corresponding quarter of last year, the number then being 54, and now only 25. There have been 57 births this quarter, that is more than double the amount of deaths; the whole year shows 241 births, and 171 deaths.
NORTHAMPTON .....	All Saints'	This quarter is considerably below the average. Small-Pox has entirely subsided, not a single death from that cause has occurred.
BEDFORD .....	Bedford and Cardington ..	The district generally very healthy during the last quarter.
CAMBRIDGE .....	St. Andrew the Less .....	Less than any corresponding quarter since the commencement of the "Registration Act," and one-sixth below last quarter.
IPSWICH .....	St. Matthew.....	Above the average; Scarlatina having been prevalent and fatal.
NORWICH .....	Conisford.....	The number of deaths is below the average this quarter.
GREAT YARMOUTH ..	Northern.....	The number of deaths (56), is much below the average, and 48 below the corresponding quarter of 1844. Four cases of Small Pox are reported, all without previous vaccination.
DEVIZES .....	Lavington.....	The lowest number I have ever had in one quarter, and considerably below the average. District healthy.
	Bishop's Cannings .....	The return shews an increase of 18 deaths over the corresponding quarter of last year; but there is no particular disease by which the increase may be accounted for.
DORCHESTER AND CERNE .....	} Cerne .....	Much below the average of corresponding quarter. District very healthy.

SUP. REG. DISTRICT	REG. DISTRICT	
EXETER.....	St. David.....	The mortality (102) is above the average of the quarter. Small Pox has been prevalent. I have registered 35 cases; 28 without vaccination, and 7 no information—the Medical Certificates do not give it. In 19 of the cases there was no Medical Attendant.
..... St. Sidwell .....	.....	Deaths from Small Pox excepted, the mortality of the quarter ending 31st December is the smallest since the Registration Act came into operation—Gross total, 101; Small Pox, 35. Of these cases one is said to be after vaccination, and one a second attack of Small Pox. This disease still prevails in my district; and although much benefit has undoubtedly accrued from the Vaccination Act, it is clearly no match for the ignorance and prejudices of the lower class of the population. Philanthropists are bestowing much attention on the means of improving the condition of this class, by better drainage, supplies of water, &c.; at the same time, they overlook a more legitimate and less speculative field for their exertions. Habits of cleanliness may at some distant period be induced by facilities of supporting them, if not counteracted by an inadequate supply of the necessities of life; but the benefits of vaccination are immediate, and bestowed on a portion of that class with stronger claims on sympathy and intervention, from their utter inability to protect themselves. Of the deaths from Small Pox in my district during the entire period of Registration, not more than 24 per cent. are said to have been previously vaccinated; though, on some occasions, the atmosphere has been so impregnated with this loathsome pestilence, that prior Small Pox, even as in the present report has not afforded complete security. The number of cases from which this result is derived gives ample proof that vaccination, carefully performed and attended to, will effectively check the ravages of Small Pox; and, if so, there have been deaths and maimings enough already to entitle these miserable young sufferers to legislative protection by compulsory vaccination, against the ignorance or worse motives of their parents; for I fear in too many instances, this disease is looked on with complacency, as a means of diminishing the pressure of a numerous progeny on their restricted means of subsistence. Another portion of the community is also, in my opinion, entitled to this protection—those who, availing themselves of the experience of the entire Medical Profession, have recourse to Vaccination against this destructive and disgusting disease—why should their efforts be rendered nugatory by a license to other persons to load the air with pestilence to a degree which nothing can resist? One sometimes hears the liberty of the subject set up with apparent seriousness against compulsory vaccination—Liberty to permit the avoidable suffering, mutilation, and destruction of their helpless progeny by the most disgusting disease known in this country, and to subject others to the same evils in spite of their anxious efforts to avoid them! Society is based on the concession of individual rights for the benefit of the whole; and I cannot imagine any case where legislation would commit so trifling a trespass to secure such comprehensive advantages.
ST. THOMAS .....	St. Thomas   .....	21 being the smallest number in the corresponding quarter of any previous year; and, in any quarter, with one exception, since the commencement of the Registration. This return includes 2 cases of Small Pox without previous vaccination.
..... Exmouth .....	.....	Less than the usual average; 10 less than in the December quarter of last year.
..... Heavitree .....	.....	1 Peritonitis, 5 Small Pox, 3 Apoplexy, 2 Inquests, 1 Puerperal Fever, 3 Typhus, 1 Erysipelas, 1 Measles, 1 Infirmity, 1 Debility, 1 Disease of Heart, 2 Natural Decay, 3 Phthisis, 1 Abscess of Brain, 1 Convulsions; total, 27. Considerable increase from last quarter. Typhus, Hooping Cough, Measles, and Small Pox very prevalent and fatal; 5 deaths from Small Pox not vaccinated.
..... Woodbury .....	.....	An increase of 11 over the corresponding quarter of last year. Of the above, 2 died from Typhus, 2 from Croup, 1 Measles, 1 Coroner's Inquest; the remainder mostly Old Age.
..... Broadclust .....	.....	Small Pox and Measles are very prevalent in my district: 1 case of the former has proved fatal. Not much other sickness.
PLYMOUTH .....	St. Andrew .....	113 is the smallest amount of mortality in this district for any autumnal quarter since that of 1840. With the exception of 5 deaths from Hooping Cough, and 5 from Diarrhea, there has been but little epidemic disease.
..... Charles the Martyr .....	.....	Considerably below the average; the numbers in the corresponding quarters of the last three years, being in 1842, 93; 1843, 82; 1844, 109. The only epidemic case registered has been 1 Hooping Cough. The prevailing cases appear to have been Bronchitis, of which 18 occur: 9 of Phthisis.
REDRUTH .....	Camborne .....	Of this number 43, only 25 have been attended by medical men. The average deaths of the December quarter have been 62.
PENZANCE .....	St. Just .....	43 deaths being rather above the average, but there is no particular disease by which the increase may be accounted for, as there is no epidemic prevailing.
..... St. Buryan .....	.....	There are 10 deaths this quarter, which are five less than in the corresponding quarter of 1844; 6 of the deaths this quarter are under 1 year, 2 of 70, 1 of 61, 1 of 53, which was by Typhus. A few families have had the Fever, but it did not prove fatal. In general my district is healthy.
..... St. Ives .....	.....	Much below the average.
BATH .....	Lansdown .....	Below the average, being the smallest number I have registered at this quarter. Two of the deaths were from Hooping Cough, and 1 from Natural Small Pox.
..... Tiverton .....	.....	Above the average this quarter, which I attribute to having had 9 Inquests, and 4 cases of Measles.
BRISTOL .....	Castle Precincts .....	The lowest number I have ever registered in any December quarter, and 27 below the average number for the December quarters for the last 5 years; and, with the exception of last quarter, when the number was 71, I have never registered so few deaths in any quarter.
..... St. Augustine .....	.....	Again below the average. Small Pox has been prevalent. Three cases have proved fatal.
..... St. Mary Redcliff .....	.....	The number of deaths this quarter is unusually small, being 62, which is less than in the corresponding quarter of last year, and from 30 to 40 less than the average. The Small Pox has lately appeared, and in two instances proved fatal; one was a man 25 years of age, the other a child, but both were without previous vaccination.
..... St. Paul .....	.....	The number of deaths registered this quarter is less than in any corresponding quarter for several years past. Small Pox and Measles prevail, but have not been, in this district, extensively fatal.
CLIFTON .....	Clifton .....	100 deaths, including 20 Coroners Inquests, 16 of which do not belong to the present quarter: the corresponding quarters for 1842-43 and 44, were respectively 85, 86 and 88; deducting the 16 Inquests, will leave 84—rather below the average of former years.
..... Ashley .....	.....	District healthy. 3 deaths less than in the corresponding quarter.
..... St. George .....	.....	There has been (including 3 Inquests not yet registered) an increase this quarter of 13.8 per cent. on the general quarterly average. Measles, Hooping Cough, and Diarrhea, have prevailed, and account for the increased mortality this quarter.

SUP. REG. DISTRICT	REG. DISTRICT	There is in my district a mixed kind of Fever (Synochus) now prevailing, but it does not appear to prove fatal.						
STROUD .....	Stroud .....	164. The number of deaths registered this quarter is 19 more than was registered in the previous quarter, but is below the average number registered in the corresponding quarters of the preceding 8 years—the average being 171½, the lowest 133, and the highest 211. I regret that I have had to register in this quarter 14 deaths from Small Pox, 1 of which was after vaccination. This malignant disorder does not appear to have prevailed in those parts of the town which are efficiently drained, and I trust its ravages will be stayed by an effectual system of vaccination, which the proper authorities have determined on enforcing.						
CHELTENHAM .....	Cheltenham .....	The year 1845 has passed away with very few fatal cases of Epidemic or Contagious disease: from the following table it will be seen that a great diminution in the number of deaths took place; namely 125 less in 1845 than in 1844. My district at this moment is healthy, and very few deaths are occurring.						
SHREWSBURY .....	St. Mary .....							
Years	Qr. ending 31st March	Qr. ending 30th June	Qr. ending 30th Sept.	Qr. ending 31st. Dec.	Total	1844	390	
1844	100	85	110	95	390	1845	265	
1845	85	70	50	60	265	1845	125	decrease

WORCESTER .....	Worcester, North .....	An increase of 36 over that of the last quarter.
KIDDERMINSTER ....	Chaddesley Corbett .....	This return of 6 deaths is much below the average, although the Small Pox has been raging in one part of my district among the agricultural labourers' children.
DUDLEY.....	Sedgley .....	The number of deaths this quarter in my district is below the average, and considerably below the number of the December quarter of 1844.
	Dudley .....	The number of deaths this quarter is less by 79 than in the corresponding quarter of last year, 47 died of Fever, and 35 of Diarrhoea in the corresponding quarter—this quarter only 13 have died of Fever, and 13 of Diarrhoea. 7 deaths from Small Pox have taken place, out of which 6 have died without previous vaccination. I consider, upon the whole, my district is in a healthy state, the number of deaths being rather below the average.
WALSALL .....	The Borough.....	There is an increase of 42 deaths from last quarter, arising chiefly from Small Pox, of which I registered 23 cases—2 of them after vaccination.
	Bloxwich .....	Rather above the average. Small Pox has been very prevalent, and has proved fatal in 5 cases, 4 without previous vaccination.
	Darlaston .....	The deaths registered by me this quarter are below the average number. The town seems to be in a healthy state.
	Aldridge .....	32 is above the average. There are 9 deaths from Small Pox this quarter.
WOLVERHAMPTON....	Eastern.....	Small Pox has been extensively and alarmingly prevalent during the whole of the quarter. 68 deaths are recorded; of which number, 58 are "without previous vaccination," 7 "after vaccination," and 3 uncertain, there being no evidence to show.
	Bilston .....	The deaths (99) this quarter are below the average of corresponding quarters. 38 deaths without medical attendants, 18 not certified, and 11 Croner's cases.
WOLSTANTON .....	Burslem.....	Deaths 80, which are 16 below the average of the corresponding quarters of the last five years—5 below the lowest of those quarters, and 31(!) below the highest—that of last year. Diseases of the digestive organs have been rather numerous. There were 2 cases of Typhus, 2 of Measles, 4 of Scarletina, and 2 of Natural Small Pox in the quarter.
BIRMINGHAM .....	All Saints'.....	The deaths in my district are nearly one-half below the average this quarter, and are fewer in number than in any previous quarter during the time I have acted as Registrar, which comprehends a period of nearly five years and a half.
	St. George.....	The number of deaths (154) in my district is 51 less than in the corresponding quarter of last year; 32 have died of Phthisis, 4 of Hooping Cough, 3 of Inflammation of Lungs and Chest 2 of Measles, 2 of Inflammation of the Bowels, 1 of Typhus, 1 of Small Pox, (without previous vaccination), 2 the cause of death unknown, no medical attendant, 10 Inquest cases. My district continues healthy.
	St. Paul.....	About an average. I registered but one case of Small Pox in October, and none since. There is no Epidemic prevailing at this time.
	St. Martin.....	5 deaths more this quarter than last. Of the 89 registered 37 have died under 1 year old. 6 have died from Fever, 5 from Diarrhoea, 3 of Measles, and 1 of Small Pox, without previous vaccination. Nothing else of an epidemic character has come under my notice.
LEICESTER .....	East .....	It gives me pleasure to be able to state that, I consider my district to be in a very healthy state. I have registered only 220 deaths, while 304 were registered in the preceding quarter, being a decrease of 84; although I cannot but regret that 20 of the number registered are from Small Pox, only two of which had been vaccinated. Having analysed the number of deaths registered in the years 1844 and 1845, in order to show the ravages which Small Pox has made during the last year, I find it to be as follows, being an increase of 158 on the year 1844. In regard to vaccination, I am afraid nothing effectual can be accomplished unless the Poor Law Guardians appoint a competent person who will undertake to visit the poor people at their houses, in order to remove the prejudices they feel against the Cow Pox, and to induce them, by reasoning with them, and showing them the folly, nay, I may say wickedness, in not availing themselves of a preventive against a disease the most fatal and loathsome, and which if it does not actually destroy their offspring, disfigures them, and destroys their constitution for the remainder of their lives; more especially as they may have it performed free of expense.
		Deaths, From Jan. 1st to March 31st, 1844 ..... 271 From April 1st to June 30th ..... 200 From July 1st to Sept. 30th ..... 217 From Oct. 1st to Dec. 31st ..... 233 ..... 921
		From Jan. 1st to March 31st, 1845 ..... 278 From April 1st to June 30th ..... 277 From July 1st to Sept. 30th ..... 304 From Oct. 1st to Dec. 31st ..... 220 ..... 1079

SUP. REG. DISTRICT	REG. DISTRICT	
LEICESTER.....	West.....	Measles and Small Pox on the decline.
LINCOLN .....	South .....	The number of deaths is under the average. In one parish, containing nearly 1,200 inhabitants, the deaths are not more than one half those of the last year.
BASFORD .....	Arnold .....	31 deaths, being 7 below the number of the preceding quarter, and 8 below that of the corresponding quarter of 1844; there have been 9 deaths under the age of 1 year, 3 from Hooping Cough, and 3 Inquest cases. With the exception of Hooping Cough being rather prevalent in the village, I think my district may be considered healthy. A decided improvement has been made in this village during the last four months, by the covering in of an extensive sewer, running through the heart of the village, which for a number of years past has been considered a common nuisance, and highly injurious to health.
..... Bulwell .....		The above return shows a considerable decrease of deaths, and though there is at the present time a deal of sickness in the district, the population of which is more than 7,000, yet the diseases, owing chiefly to medical skill and attention, seldom prove fatal.
..... Ilkeston .....		Small Pox still prevails in one part of the district, and Scarlatina in another. There have been 13 deaths by Small Pox, and 4 by Scarlatina during the quarter.
..... Greasley .....		The number of deaths during the quarter is about the average. 16 are from Convulsions, for the most part in Infants, 11 from Consumption. Croup has been prevalent in this district during the last two or three weeks, from which 4 have died.
STOCKPORT .....	Second .....	This quarter's return exceeds those of the last two quarters by 1. The returns were, for the quarter ending 30th June, 1845, 68 deaths; for the quarter ending 30th September, 1845, 68; for the present quarter, ending December 31st, 1845, 69. The returns are below the average, and there are no prevailing epidemics.
..... Hyde .....		Deaths about an average; the late changeable weather has acted injuriously on aged persons and children, from diseases of the lungs.
..... Heaton Norris .....		88 deaths; being 3½ per Cent. below the average of the nine previous quarters, 16 per Cent. less than the corresponding quarter of 1843, and 14 per cent. more than that of 1844. In that quarter I stated the mortality in males to be "28 per Cent. above that of females." The mortality this quarter forms the curious anomaly of 49 per Cent. in females above that of males. I have now to report 3 deaths from Small Pox, two of which were Confluent, Phthisis 12, Typhus 4, Convulsions 15, Measles 3, Diarrhoea 4, Old Age 4, averaging 79 years each, and 6 Coroners' Inquests.
..... Hazelgrove .....		There have been 7 more deaths in this quarter than the last, and 3 more than in the corresponding quarter of 1844; yet the number is below the average. 12 cases have been certified, 6 uncertified. Some of these had no medical attendant. Inflammation of Lungs seems to be the prevailing complaint among Children in this district, 5 have recently died of this disease. This may be attributed to the coldness of the season.
MACCLESFIELD .....	Sutton .....	My district continues unusually healthy. The number of deaths in the present quarter (28) is the least number I have registered in any one quarter, and is nearly 50 per cent. below the average. The population of my district is about 9,000, and is chiefly employed in manufactures. I am not aware that any epidemic exists in my district.
..... Bollington .....		The deaths registered this quarter, being 54, are 12 more in number than the last quarter. 5 of the above were cases of Inquests. District in healthy state.
GREAT BOUGHTON .....	Cathedral Division .....	There is an increase of 7 in the number of deaths as compared with last quarter.
LIVERPOOL .....	Dale Street .....	No particular disease has been prevalent within my district this quarter. It appears that there are 7 deaths less than in the preceding quarter ending 31st December, 1844.
..... St. Thomas .....		The deaths this quarter are 33 less than in the corresponding quarter of last year. Of the deaths registered, 47 are from Bronchitis, &c., 22 Phthisis, 5 Hydrocephalus, 10 Dropsy, 16 Enteritis, &c., 37 Hooping Cough, 5 Typhus, 8 Scarlatina, 9 Small Pox (only 1 of which was vaccinated), 3 Pleuritis, and 3 Measles.
..... Mount Pleasant .....		Deaths 376, being 36 above the general average. Phthisis has been most prevalent. 26 Coroners' Inquests. There has also been great mortality amongst children; 150 deaths having occurred under 6 years of age, principally from Hooping Cough, Bronchitis, and Convulsions
..... Islington .....		My District continues healthy. Deaths still decreasing.
..... St. George's .....		Number of deaths rather above the average, principally owing to Measles; Hooping Cough and Pneumonia being very prevalent. The number of deaths of children under 5 years of age is 90.
WEST DERBY .....	Everton .....	The increase of Deaths in this quarter arises principally from Measles, which is prevalent in the Industrial School, Kirkdale, in which the children are paupers belonging to the parish of Liverpool.
..... West Derby .....		Decay of Nature 14, Convulsions 20, Bronchitis 2, Small Pox 5, Dropsy 1, Water on the Brain 5, Dysentery 3, Decline 7, Inflammation of the Lungs 8, Pneumonia 3, Hooping Cough 4, Teething 6, Scarlatina 3, Typhus 1, Brain Fever 1, Gastro. Enteritis 1, Phthisis 4, Consumption 7, Diarrhoea 1, Intermittent Fever 1, Croup 2, Apoplexy 2, Cholera 1, Liver Complaint 2, Asthma 1, Childbirth 2, Disease of the Heart 1, Mesenteric Disease of the Glands 1, Premature Birth 1, Influenza 1, Erysipelas, 2, Ulceration of the Bowels 2, and Inquests 2. The number of Deaths this quarter exceeds the past by 28. Small Pox, Scarlatina, and Pulmonary Complaints have been and continue to be prevalent in my district.
..... Great Crosby .....		Though the number of deaths this quarter is more than an average, the whole of my district is in a very healthy state, for of the number 16, there are 10 children.
..... Toxteth Park .....		The number of deaths this quarter (354) being a decrease of 19 compared with September quarter ultimo. The principal cases are as follows—Consumption 9, Small Pox vaccinated 5, of which number, 2 were adults, the one a male aged 30 years, and the other a female aged 36 years, both of whom it appears were vaccinated in their infancy; Small Pox not vaccinated 13, Measles 2, Scarlatina 25, Typhus 7, Diarrhoea 9, Chronic ditto 2, Excessive Drinking 2, Syphilis 1, aged 3 months, from its birth, and Inquests 9.
BLACKBURN.....	Blackburn .....	The deaths this quarter are below the average, being 113 less than same quarter last year. I have had 217 deaths certified by Surgeons, 10 by the Coroner, and 25 uncertified, having had no medical attendant. 31 persons have died of Phthisis or Consumption, 17 children of Pneumonia, and 18 children in Convulsions. My district at present is in a very healthy state.
..... Mellor .....		The deaths this quarter are below the average. I have had 12 deaths; 1 certified by a Surgeon, 1 by the Coroner, the remaining 10 uncertified. District healthy.

SUP. REG. DISTRICT	REG. DISTRICT	
<b>BLACKBURN</b> .....	<i>Darwen</i> .....	The deaths in my district are 1 less than the previous quarter ending September 30th, 1845. There is no particular Malady raging in my district.
	<i>Witton</i> .....	I have 2 more deaths in my district this quarter than I had in the preceding one, and I think the Small Pox and Measles have been the cause of the increase, as both diseases are prevailing, particularly in the village where I reside.
<b>PRESTON</b> .....	<i>Preston</i> .....	Deaths 425. There are 100 deaths this quarter more than in the corresponding quarter last year, but only 8 more than the average of the nine corresponding quarters. Measles and Scarlatina very prevalent, Typhus a few deaths.
	<i>Broughton</i> .....	Above the average, but not from any particular disease, except old age.
	<i>Longton</i> .....	Considerably below an average of the corresponding quarters of former years.
	<i>Walton le Dale</i> .....	This number (47) is rather above the average for the corresponding quarters, the average being 43; but it is accounted for by the fact of there having been 13 deaths registered this quarter from Scarlatina.
<b>ROCHDALE</b> .....	<i>Butterworth Lordshipside</i> .....	There has been a great increase of deaths this quarter in the district. Small Pox and Scarlatina have been, and are still, very prevalent.
	<i>Wardleworth</i> .....	The number of deaths this quarter are rather above an average. Scarlatina has been very prevalent, 22 cases having proved fatal, and several others consequent thereon.
	<i>Wuerdle and Wardle</i> .....	67 is above an average; the only cause in my opinion is, that Scarlatina is still prevalent in my district, 28 cases having proved fatal.
<b>BURY</b> .....	<i>Tottington Lower End</i> ....	The number of deaths is below the average. Typhus has been prevailing in my disjrcit. I have registered 4 deaths from Typhus this quarter.
<b>BOLTON</b> .....	<i>Eastern</i> .....	The present return exhibits a larger number of deaths than ever occurred in my district during any quarter since the Registration Act came into operation. The season of the year may account for a portion of the increase. Scarlatina and Diarrhoea have been very prevalent. The number exceeds that of the corresponding quarter of last year upwards of fifty per Cent. Two have occurred from Small Pox, without previous vaccination, one of which was of a child, only three weeks old, whose father had been afflicted with the malady. On referring to the last quarter, I find, that although the number did not exceed the average, yet ten children died from Small Pox, without previous vaccination, all of Irish parents, and in one particular portion of the town which is principally occupied by the lowest class of Irish. Ten were attacked in two dwellings, in the same street, six of whom died. In the same neighbourhood eight others were attacked, four of whom recovered; so that out of eighteen cases only eight survived. Some of them having been reported to our Board of Guardians, they very properly caused placards, containing information upon the subject of vaccination, to be extensively posted on the walls of the town, copies of which have been furnished to me for distribution, by giving one to the parent on registering a birth. An increase has also been occasioned by the explosion of a steam boiler, by which melancholy occurrence fourteen persons were killed, thirteen of whom expired in my district. A majority of the most respectable medical practitioners have kindly taken the trouble to furnish a certificate of the cause of death, and I have thereby been able to make the entries more accurately than formerly, but am still unable to obtain the information in some instances, several surgeons having obstinately persisted in refusing to afford it; and in many cases, there has been either no medical attendance at all, or only what has been administered from druggist's shops, &c.
	<i>Western</i> .....	The mortality in my district for the last quarter has been very great, the deaths (200) being considerably above the average number of the corresponding quarters in former years. Scarlatina has been very prevalent, and fatal in 61 instances. These cases, with a few exceptions, have been children under 5 years of age. 50 of them have been attended by authorised medical men, and the rest either not attended or attended by persons not duly qualified. Most of these cases have happened in open airy parts, and not in confined places; and about two-thirds of them have proved fatal in less than seven days. I have had only one case of death from Small Pox, and that without previous vaccination; there have also been 5 cases of Measles, which have proved fatal.
	<i>Little Bolton</i> .....	The number of deaths this quarter is rather more than the average number of the corresponding quarters of former years. The deaths amongst aged people have been on the increase. The average ages of eight males who have died are 64 years; and of twelve females 65 years. I am sorry again to record 2 deaths from Small Pox, both without previous vaccination. There have been several epidemics in my district. Scarlatina and Diarrhoea have been prevalent, and a slight outbreak of Typhus.
	<i>Farnworth</i> .....	The death registered during this quarter have been 17 above the average. Scarlatina has been very prevalent amongst children during the whole of this quarter; 29 deaths from that disease having been registered.
	<i>Lever</i> .....	51—the number of deaths—is about 20 above an average. Scarlatina has been very general in my district; 26 deaths have been registered of Scarlatina, which accounts for the increase; 2 of Small Pox, without previous vaccination.
<b>WIGAN</b> .....	<i>Wigan</i> .....	The number of deaths is still rather below the average of the corresponding quarters. Out of 189, the number registered, there are 23 cases of Scarlatina, all in the unhealthy district called Scholes; 113 are under 5 years of age, and 68 have died without any medical attendant.
	<i>Standish</i> .....	16 deaths—or seven below the number of deaths for the corresponding quarter of 1844.
	<i>Aspull</i> .....	47 deaths registered this quarter, being an increase of 20 over the last. Registered:—6 Scarlatina, 1 Typhus, 3 Consumption, 4 Croup, 4 Diarrhoea, 5 Old Age, and 5 Inquests, 3 of which burnt to death by fire-damp, 1 drowned, and another by falling down a coal-pit.
<b>PREScot</b> .....	<i>Rainford</i> .....	No increase of deaths; Small Pox has prevailed. One fatal case of Confluent Small Pox, after twenty-one years vaccination.
	<i>St. Helen's</i> .....	The number of deaths registered this quarter exceeds those in any other since 1842; 41 were Small Pox, 24 unvaccinated, and 20 from Pneumonia.
	<i>Prescot</i> .....	The number of deaths in my district this quarter is about the general average. And the district during the last quarter has been in a healthy state, and free from any contagious disease.
	<i>Farnworth</i> .....	The deaths in this quarter have been about double the average, and 16 more than those in the last. The increase has arisen rather from the general unhealthiness of the district during the quarter, than from epidemic disease.
	<i>Huyton</i> .....	The number of deaths is one or two above the average, which is owing to accident.
<b>CHORLTON</b> .....	<i>Chorlton upon Medlock</i> .....	There has been a small excess in the number of deaths during the past quarter, attributable chiefly to the unusual number of wet days. The degree to which wetness is injurious to health, differs exceedingly, according to the nature of the soil, and the degree of drainage; and a record of the temperature and fall of rain merely is insufficient for the purposes of vital statistics, while complete meteorological observations can be made by those only who have considerable leisure. A record, however, of the temperature and of the moisture of the air (as indicated by a wet-bulb thermometer) might easily be kept in any Registrar's district, and more complete sets of observations in one or more places in every country—say in every Superintendent's district. If such observations were simultaneously made, and the records carefully compared together, and with the returns of mortality, the effect of temperature and moisture upon vitality might perhaps be pretty accurately ascertained, especially if your direction to record the duration of the fatal illness be carefully observed by the registrars.

## SUP. REG. DISTRICT

## REG. DISTRICT

MANCHESTER ..... London Road .....

The number of deaths registered during the quarter ending December 31, 1845, is 219; males 116, females 103. There have been 45 fewer deaths than occurred in the corresponding quarter of 1844, and 10 less than in that of 1843. There is an increase over the number registered in the immediately preceding quarter, viz. that of September, 1845. The prevalent diseases of December have been Scarlatina, Phthisis, Pneumonia, and Typhus. In December 1844, Measles included nearly 10 per cent of the deaths; in the present quarter this disease does not reckon much above  $\frac{1}{4}$  per cent. Although Scarlatina takes the place of Measles, being nearly 10 per cent—and Pneumonia and Typhus rank next in the scale, the latter two stand only at about 15, in comparison with their ratio of 23 and 21 per cent, during the corresponding quarters of the previous years. Four cases of deaths have occurred, which claim notice, as implying neglect somewhere. These were the subjects of Coroner's Inquests. Two boys of the ages respectively of 5 years and of  $\frac{1}{2}$  years, appear to have been suffocated, and afterwards much burned, by a fire accidentally kindled in a cellar, whilst the elder occupants were absent. Two other boys, about the ages respectively of 9 years and 7 years, whilst playing in a yard in the town, were submerged in an old well, and were drowned. The accident was caused by the superincumbent earth giving way, it not having been previously known that such danger existed. The annexed tables give a comparative view of the proportion of fatal diseases registered as occurring in the month of December in 1843, 1844, and 1845, respectively.

No. of Deaths registered in December.			Ten Principal Causes of Death in each Quarter.	Proportion per Cent.		
1845	1844	1843		1845	1844	1843
22	8	4	Scarlatina.....	10.04	3.03	1.75
20	15	18	Phthisis.....	9.13	5.63	7.90
17	40	24	Pneumonia.....	7.76	15.15	10.53
16	22	23	Typhus.....	7.30	8.33	10.11
15	24	12	Convulsions.....	6.85	9.09	5.26
9	8	5	Diarrhea.....	4.11	3.03	2.19
7	5	4	Hooping Cough.....	3.20	1.89	1.75
6	16	6	Asthma.....	2.74	6.06	2.63
5	25	7	Measles.....	2.28	9.47	3.07
5	9	4	Hydrocephalus.....	2.28	3.41	1.75
122	172	107	Ten diseases.....	55.69	65.14	46.94
97	92	121	All others.....	44.31	34.86	53.06
219	264	228	Total each Quarter ..	100.00	100.00	100.00

Ages at Death.	No.	Proportion.
Under 5 years.....		
Males.....	62	28.31
Females.....	53	24.20
Total under 5 years .....	115	52.51
5 years and upwards.....	104	47.49
	219	100.00

Deansgate .....

The number of deaths in my district during this quarter, deducting the second entry of Coroner's cases, is 244. During the severe autumnal quarter of last year, the number of deaths was 330; in that of 1843, 248; and in that of 1842, 270. These numbers will to some extent indicate the influence of the season, and of external circumstances on the mortality of particular districts. Thus, during the mild and extremely wet season we have just passed, the mortality has been less in this district than during the three preceding similar quarters. In the very severe weather of the autumnal quarter of last year, the high number 330 was undoubtedly the result of the intensity of the cold. It was moreover a remarkably dry season. The mortality chiefly occurred in the very old and the very young, and was caused by inflammatory affections of the respiratory organs in the latter, and by congestion in the same organs in the former; for of the number above cited, 201 were children under 5 years of age, whilst in this quarter the number within the same age is 146, and in 1843 was 137, and in 1842, 134. The deaths of persons above 60 years of age in this district last autumn were 32, but in this quarter only 20. The numbers for the mild and damp autumnal quarter of 1843 approximate remarkably to those for the present quarter, being only 4 more, viz. 248 to 244. An analysis of the deaths within the two quarters will show that, with the exception of those occurring within the first year, the same analogy holds with regard to the infantile mortality, for of the 244 deaths in the quarter just passed there occurred,

Under 12 months old.....	84
Between 1 and 2 years.....	37
2 and 3 .....	14
3 and 4 .....	5
4 and 5 .....	6

Of the 248 deaths in the autumn of 1843 there occurred,

Under 12 months old .....	72
Between 1 and 2 years .....	39
2 and 3 .....	14
3 and 4 .....	6
4 and 5 .....	6

146

With the exception of those within the first year, the numbers are almost identical. In the autumn of 1842, the total mortality (270) was high, but of this large number only 134 were of children under 5 years, and were thus distributed—

Under 12 months old.....	65
Between 1 and 2 years .....	31
2 and 3 .....	25
3 and 4 .....	12
4 and 5 .....	11

137

The increased number of deaths between 2 and 5 years was from Scarlatina, which prevailed much in the district at that time, and was the subject of comment in the Registrar's report. The mortality within the first two years of life was greatly below that of the autumnal quarters of the three succeeding years. It may be recollect that this was the period of the extraordinary depression in trade, and the great turn-out in these districts; during which, large numbers of working people were out of employment, earning no wages, and getting very little food, but then the mothers were at home attending to and suckling their children, instead of being all day in the factories, and from the increased care and more regular supply

## SUP. REG. DISTRICT

## REG. DISTRICT

MANCHESTER ..... Deansgate .....

of the diet nature provided, greater numbers of the very young survived. To show the influence of the associated circumstances peculiar to large towns on the lives of children, I may state the comparative infantile mortality in this district, and in two somewhat small towns in Derbyshire, taking years that represent the average of each. During the year 1843 the total number of deaths in the district of Deansgate was 1069, of which number 621 were of children under 5 years of age, or nearly three-fifths, whilst in Ashbourne and Belper in 1841, out of a total number of 1254 deaths, 431, or very little more than one-third, occurred within the first 5 years. I am aware that in forming a correct estimate of the rate of infantile mortality, the deaths should be compared with the births, but still in comparing different districts or localities, the proportion of infantile deaths to the total number, will give a tolerably correct idea of the respective rates. Excluding entirely the Coroner's cases, the number of deaths in this district in the quarter just passed was 235, of which 138 were below the age of 5 years; of these latter 67 received medical assistance, and 71 received no proper medical attendance whatever; of the remaining 97 persons above the age of 5 years, 70 received efficient medical attendance, and 27 died without having had at the last any medical attendance, but of these 11 were old people above the age of 60, who had long been ailing from Paralysis, Chronic Bronchitis, &c, or died from decay of the system, being very old; of the remaining 16, some were but a little over 5 years, and the others were chiefly deaths from Consumption, and for whom at a former period medical attendance had been provided, but discontinued from the hopelessness of the cases. Hence it appears, as stated in one of my last quarterly reports, that the adult population in this neighbourhood at all events is tolerably well provided with due medical attendance, whilst of the infant population more than one-half of the deaths take place without a chance being afforded of recovery. And it must be farther borne in mind, that in many of the cases where medical certificates were obtained, proper medical assistance had only been sought when too late, the parents having become at length alarmed for their dying children, or transferring the cases from irregular practitioners when death was inevitable from malpractice or too long delay. In the certified cases the causes of death were

Scarlet Fever .....	in 16
Hydrocephalus .....	14
Pneumonia .....	13
Diarrhoea .....	11
Marasmus .....	6
	60

The other causes being Hooping Cough, Croup, Measles, Remittent Fever, &c. This will afford an idea of the serious nature of the cases, and the urgent necessity in the cold season for constant watchfulness, and highly scientific treatment. In the other Registration districts of Manchester it is probable that the want of medical attendance on the infant population is as great as in this, indeed in some districts I know it to be much greater, so that we shall understate the case in saying that fully one-half of the children that die in Manchester have no medical attendance whatever. Now the average total number of deaths in Manchester may be stated at about 5800, this being the amount in 1841, of which 2800 or somewhat more occurred within the first 5 years, and of which 1400 would receive no medical assistance or be afforded any means of recovery. Not less than this is the annual number for Manchester, and of which perhaps 700 might be saved if placed under proper circumstances. Extend this to the other large towns of England, and more or less to the whole kingdom, and the frightful waste of life becomes utterly appalling. What are the leading causes of infant mortality I have endeavoured to point out elsewhere, and this is not the place for the suggestion of remedies, but the necessity for some better provision for the infant population of this country is obvious. I fear this communication may be thought rather too long for the quarterly report, but the magnitude of the evils exhibited may perhaps plead in favour of its insertion.

Fallowfield .....	The number of deaths this quarter is above the average, owing to the Scarlatina prevailing in the district. Deaths from Scarlatina 9, Inquest cases 5.
SALFORD ..... Greengate .....	From 50 to 60 below the average of the winter quarters.
ASHTON AND OLDHAM Ashton Town .....	133 deaths, which is less than the average of the corresponding quarters; 2 of Scarlatina, 2 of Hooping Cough, and 2 of Small Pox, without previous vaccination. About two-thirds of the deaths are certified by the medical men attending, from whom I have experienced the greatest willingness in furnishing the returns of the causes of death; the remaining third are uncertified, from non-medical attendance of whom one-half are under 5 years old.
Anderskaw and Droylsden .....	The deaths (58) this quarter are 14 males and 2 females more than in the corresponding quarter of 1844; but no particular complaint has prevailed. Increase of deaths in the year, 33.
Dukinfield .....	In the corresponding quarter of last year the deaths amounted to 137, 39 more than the present return.
Stalybridge .....	27 deaths; being seven more than in the corresponding quarter of 1844; but about the average number of deaths.
Oldham below Town .....	Deaths 193; Measles has been very prevalent this quarter; 34 have died of that disease, and 10 of Small Pox.
Oldham above Town .....	The above return (116) presents a considerable decrease in the number of deaths, in comparison with previous corresponding quarters, being 27 under the average, which may be attributed to the more regular employment of the poorer labouring classes.
Middleton .....	The number of deaths (30) this quarter is 12 below the average for the last five years; my district continues very healthy, and free from any epidemic.
Royton .....	39 deaths; below the average of the four preceding corresponding quarters. Fever of a Typhoid character has been prevalent. Diarrhoea has been very prevalent, particularly amongst infants, where it has been very fatal (8 cases); 2 fatal cases of Small Pox, but the disorder has not been prevalent. Measles has been mild in character. Quinsy very prevalent, but not fatal.
SHEFFIELD ..... Sheffield Park .....	95 deaths; which is above the average, although no particular epidemic has prevailed. The season appears to have been fatal to elderly persons, as twenty of the number were above fifty years of age.
Sheffield South .....	The number of deaths this quarter is above the average, which I attribute to two causes, the first, Scarlatina being very prevalent, and secondly the disease of several aged people from the severe and changeable weather. I have also had 11 Coroner's Inquests. In the above return 29 were not more than 12 months old, and 15 were 60 years and upwards.
Sheffield North .....	The average of deaths in my district is less than usual, although a little Epidemic disease prevails. 1 Small Pox, without vaccination, 7 Scarlatina, 11 Hooping Cough, 2 Cholera, 1 Measles, 150 various causes; total 172.
HUDDERSFIELD ..... Huddersfield .....	The deaths (159) are about the average number of the corresponding quarters of 1843 and 1844. Small Pox has been very prevalent the whole of this quarter; 20 deaths having been registered (most of which had not been vaccinated), 14 have died from 14 weeks to 4 years old, 5 from 4 years to 11 years, and one 21 years of age; also 5 cases of Typhus has been registered.
Almondbury .....	The number of deaths (49) in my district is 10 more than in the corresponding quarter of last year, one-fourth of which have died of Phthisis.
Kirkheaton .....	71 deaths—above the average. 9 cases of Scarlatina, 3 of Small Pox, not vaccinated, 4 of Typhus.
Honley .....	The entries of deaths for the last quarter are rather above the average number. Measles in this district has been prevalent, and in many cases fatal. 13 persons have died of Measles, and 6 of Decline.

SUP. REG. DISTRICT	REG. DISTRICT	
HUDDERSFIELD .....	Meltham .....	The number of deaths (32) in this quarter is more than double that of last quarter or of the corresponding quarter of last year, and exceeds that of any quarter since March 1844, being about 10 per cent above the average. No epidemic disease is prevalent in the district, nor is the circumstance attributable to any other particular cause that I am aware of.
..... Lockwood .....	.....	The mortality (34) in this district for the last quarter has been about an average. Upwards of one-third are infants under 12 months. There are 2 cases of Scarlatina Maligna, one of Measles, and one of Small Pox.
..... Golcar .....	.....	The number of deaths (52) is above an average, but there is no particular cause for the increase.
HALIFAX .....	Halifax .....	Deaths 208. The number above the average is 44; the following table will account I think-for the increase. Fever (all descriptions) 31, Convulsions 24, Measles 40, Consumption 22, Premature Births 10, and 7 Natural Decay.
..... Southowram .....	.....	49 deaths. 11 more than in the corresponding quarter for 1844. Measles has been fatal in 14 cases. Scarlatina has prevailed, but only 2 cases proved fatal.
..... Brighouse .....	.....	The deaths (57) this quarter in my district are considerably above the average, being 23 more than in the previous quarter. Scarlatina has raged throughout the whole district, and there are 16 deaths from that disease out of 57.
..... Rastrick .....	.....	Deaths 22. Two above the average, but no particular remarks are necessary, as the district is generally healthy, comparing the same period with former years.
..... Northowram .....	.....	The number of deaths (113) registered in my district this quarter is above the average, and may be accounted for by the prevalence of Measles and Scarlatina.
BRADFORD .....	Bradford, East Division .....	Deaths 199. I have 39 more deaths than last quarter, and 62 more than the quarter ending December 1844. The increase I attribute to Typhus, Measles, Scarlatina and Phthisis. The deaths this quarter from Typhus are 18, Measles 12, Scarlatina 9, Phthisis 28. In the three preceding quarters I had only 4 cases of Typhus.
..... Cleckheaton .....	.....	Deaths 67. There are more deaths in my district this quarter than in any preceding quarter since the commencement of registration in 1837; Measles, Scarlatina and Typhus being prevalent. I have also had 7 inquests this quarter.
..... Idle .....	.....	74 deaths, the number registered in this quarter, are more than the general average. Measles, Pneumonia, and Bronchial diseases have been epidemical amongst children, and are the chief causes of the increase. Of these complaints 27 cases have proved fatal.
..... Wilsden .....	.....	The number of deaths is rather above an average; Hooping Cough has proved fatal in 7 cases, and Typhus in 2 cases.
..... Drighlington .....	.....	The number of deaths registered this quarter is 38, which is considerably above an average. To the prevalence of the Measles may be attributed the uncommon mortality which has occurred during the present quarter.
..... Pudsey .....	.....	There have been during the last three months, in this district, 118 deaths, which shows a very great increase; the quarterly average from the commencement of the Registration Law having been 67 7-29ths. The increased mortality within the district is attributable to the prevalence of Measles, of which there have been 67 fatal cases, among very young children, in the very unequal proportion of 25 males to 42 females.
..... Horton .....	.....	Deaths 129; although Typhus has very much prevailed in the crowded and ill ventilated courts and streets of my district; yet the mortality has decreased in both this and the previous quarter.
..... North Bierley .....	.....	52 is the average of my corresponding quarters. This is 80; the increase is in the deaths of children, 34 of whom have died of Scarlatina and Measles, otherwise I should have had a healthy district, and deaths below the average.
LEEDS .....	Leeds, North .....	The number of deaths this quarter is 190, showing a decrease upon the last quarter of 30, and upon the year of no less than 119. This district is at present very healthy. Below you have a table showing the mortality in the Leeds north district, from the birth to 90 years of age, for the past quarter, ending December 31, 1845.

Under Years	1	2	3	5	10	15	20	30	40	50	60	70	80	90	Total
Males .....	26	15	4	6	6	2	1	5	8	4	6	8	5	4	100
Females .....	23	11	3	2	3	—	3	7	8	6	5	10	5	4	90

I have also to remark that one death is from Hydrocephalus; a man, 46 years of age. He was very slightly scratched by a small dog, on the hand, in the month of August last, the wound was quite well in two days, but on the 27th of October he began to be rather unwell, and on the 29th of the same month he died in very great agony.

	Males	Females		Males	Females		Males	Females		Males	Females
Apoplexy .....	—	3	Hydrocephalus .....	9	5	Phthisis .....	8	3			
Asthma .....	3	—	Hydrocephalus .....	1	—	Peritonitis .....	2	1			
Bronchitis .....	1	2	Inflammatory .....	—	1	Pneumonia .....	7	2			
Cancer in the Womb .....	—	2	Eruption on the .....	—	1	Premature Birth .....	5	2			
Cholera .....	1	1	Face and Neck .....	—	—	Scarlatina .....	2	1			
Congestion of the Lungs .....	—	1	Inflammation of .....	8	3	Senectus .....	8	7			
Consumption .....	9	9	the Lungs .....	3	4	Small Pox .....	3	3			
Convulsions .....	5	7	Measles .....	1	1	Tabes Mesenteria .....	2	—			
Croup .....	1	—	Meningitis .....	—	3	Teething .....	2	3			
Debility .....	—	1	Miscellaneous .....	2	10	Tumour of the Brain .....	1	1			
Diarrhoea .....	5	3	Morbus Brightii .....	1	—	Typhus .....	—	3			
Dropsy .....	1	5	Organic disease of the Kidneys .....	1	—	Venerel Disease .....	1	1			
Enteritis .....	1	—				Total Deaths	100	90			
Hanging .....	2	—	Paralysis .....	1	1						
Hooping Cough .....	—	1	Pericarditis .....	—	2						

HUNSLET .....

Wortley .....

The number of deaths (75) in my district, both in this and the preceding quarter is considerably below the average, which I ascribe principally to the more comfortable condition of the operative classes, arising from their being fully employed, and having, in consequence, a more efficient supply of the necessities of life.

100 deaths; which is above the average. 22 deaths from Measles.

20 deaths; this is above the average. 7 males, 13 females. 1 aged 71—1-80 Males 1-68, 1-77, 1-78, 1-82, 1-86 females. 6 children, not exceeding 2 years, namely, 2 Convulsions, 1 Hooping Cough, and 3 Measles.

SUP. REG. DISTRICT	REG. DISTRICT	
<b>SUNDERLAND</b> .....	<i>Sunderland, East</i> .....	The number of deaths (77) this quarter is 34 above the corresponding quarter of 1844. Scarlatina has been very prevalent in my district during the last quarter. There have been 22 deaths from Scarlatina, and only two of that number above 7 years of age.
.....	<i>Sunderland, West</i> .....	Scarlatina is prevailing in my district.
.....	<i>Bishopswearmouth, South</i> .....	93 deaths. A considerable increase, owing to Scarlatina prevailing in my district; 38 above the average, and 19 above the quarter ending March 1845. 22 cases of Scarlatina all under 7 years, 7 inquests, 4 of which were accidentally drowned whilst bathing, 9 Consumption, 1 Typhus, 2 Heart disease. The fatal cases of Scarlatina have been confined to one locality, (the east part of my district,) probably arising from a want of proper drainage, and the uncleanly state of the streets in the neighbourhood. Nearly the whole of the families having children in that part have been affected by it.
.....	<i>Monkwearmouth</i> .....	The number (86) is rather above the average. Scarlatina has been prevalent in my district this quarter.
<b>GATESHEAD</b> .....	<i>Gateshead</i> .....	The number of deaths (110) is below an average. Small Pox has been very prevalent; 12 deaths have arisen therefrom.
.....	<i>Whickham</i> .....	(25) is a little over the average, and yet the district is healthy, as I am not aware of any Epidemic disease. The increase may be accounted for by a considerable proportion of aged individuals having died.
.....	<i>Winlaton</i> .....	Above an average, but from no particular epidemic.
<b>TYNEMOUTH</b> .....	<i>Tynemouth</i> .....	48 males are registered, one being twice registered, in consequence of an error by the Coroner; the calculation below is made on the 48+61=109 by mistake. The mortality of the quarter ending December 31, 1845, is the greatest experienced since 1839. In the number are 58 children under 7 years, of whom 33 have died from Scarlatina. The following statement shows the average of deaths per quarter, and the rate per cent per annum of mortality over the 8 past years.

	Deaths Registered					Number registered in the Pox Quarters.	Average per Quarter.	Rate of Mortality per Cent. per Annum.	Average rate per Cent on the 8 Years
	January 2	April 9	July 9	October 9					
1845	72	84	90	109*	315	884	2.47		
1844	99	83	58	80	320	80	2.22		
1843	87	66	76	75	324	76	2.11		
1842	59	82	99	86	326	81 $\frac{1}{4}$	2.27		
1841	59	91	72	93	3.5	78 $\frac{3}{4}$	2.19		
1840	68	74	71	76	29	72 $\frac{1}{2}$	2.1		
1839	84	121	91	66	32	90 $\frac{1}{4}$	2.52		
1838	84	80	70	68	32	75 $\frac{1}{4}$	2.1		

\* One Death Registered twice.

<i>North Shields</i> .....	The number of deaths this quarter is rather above the average, Scarlatina having been very prevalent.	
<i>Earsdon</i> .....	There have been seven cases of Small Pox fatal in my district this quarter, six without previous vaccination.	
<i>Blyth</i> .....	There has been an increase in the number of deaths equal to about one-fourth; this may be accounted for by the prevalence of Scarlatina in this district.	
<i>Wallsend</i> .....	The number of deaths (16) is precisely the same as the December quarter of 1844. I consider the district in a healthy state.	
<b>NEWCASTLE-UPON-TYNE</b> .....	All Saints .....	My district is at present in an unhealthy state, particularly among children. During the last quarter I have registered eight deaths by Measles, 1 Small Pox, 4 Hooping Cough, 5 Scarlatina, and 2 Typhus. Out of 140 deaths registered last quarter 79 do not exceed 4 years of age; and 67 of the whole number for the quarter were registered in the month of December.
.....	<i>Byker</i> .....	Nearly one-third less than an average since the commencement of the Registration.
<b>CARLISLE</b> .....	<i>Saint Cuthberts</i> .....	The number of deaths this quarter is 10 more than the corresponding quarter of last year Scarlatina is prevalent in my district, there having been 8 deaths from that disease.
.....	<i>Wetheral</i> .....	About one-third below the average, being the smallest number entered in my district since the Registration Act commenced, it being at present in a healthy state.
<b>COCKERMOUTH</b> .....	<i>Cockermouth</i> .....	A little above the average; Hooping Cough has been very prevalent among children. About a sixth of the number of deaths registered this quarter have been children who have died of this complaint.
<b>KENDAL</b> .....	<i>Kendal</i> .....	Small Pox, Scarlatina, and Measles have been very prevalent, 28 cases of the first having proved fatal.
.....	<i>Grayrigg</i> .....	Small Pox has been very prevalent in my district; 3 cases fatal.
.....	<i>Milnthorpe</i> .....	There is a little increase of deaths this quarter; they are at all ages, as below:—

Under Years .....	5	10	20	30	40	50	60	70	80	90	100	103	TOTAL.
Persons .....	8	3	5	8	2	2	1	4	3	2	1	1	40

<b>ABERGAVENNY</b> .....	<i>Blaenavon</i> .....	The number of deaths registered this quarter is 24, out of which there are 4 of Measles, 3 of Typhus, and 5 Coroner's Inquests; Measles is still slightly prevailing in my district.
<b>PONTYPOOL</b> .....	<i>Pontypool</i> .....	There have been about 40 deaths from Small Pox, and most of them from Garndeffath and Talawain, in the parish of Trevethin.
<b>MERTHYR TYDFIL</b> .....	<i>Merthyr Tydfil Lower</i> .....	Of the 115 above 21 are from Phthisis, 3 Small Pox, 2 Scarlatina, 26 unknown, having no medical attendant, some of them no doubt Phthisis; there are 23 accidental death; 8 of these belong to the last quarter.
<b>WREXHAM</b> .....	<i>Wrexham</i> .....	The number of deaths registered this quarter is 50, being 3 less than the preceding quarter and 23 less than the corresponding quarter, 1844. The number of deaths, as they occurred in each of the three months:—October, 10 deaths—8 males, 2 females; November, 13 deaths—4 males, 9 females; December, 27 deaths—10 males, 17 females. 30 deaths are certified, 9 not certified; 7, no medical attendant; 4 Coroner's Inquests, 3 in this quarter, and 1 from the preceding quarter.
<b>HOLYWELL</b> .....	<i>Mold</i> .....	The district continues remarkably healthy. The deaths during the quarter, from natural causes, are 28, and from accidental 4, being within a fraction one half less than the average of the corresponding quarters of the last seven years. The mortality during the last half year has scarce exceeded one death in every 200 of the population.
.....	<i>Holywell</i> .....	This return is less than the two last corresponding quarters.
.....	<i>Flint</i> .....	There is only an average number of deaths in my district, but more Inquests registered than at any former period, being 8 in number.